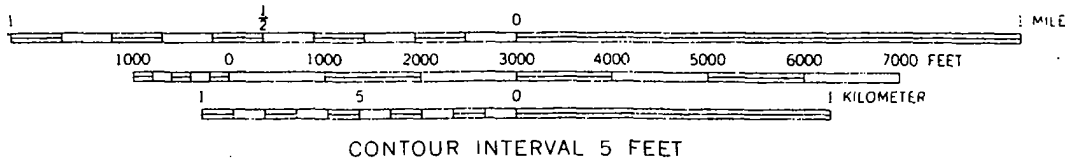
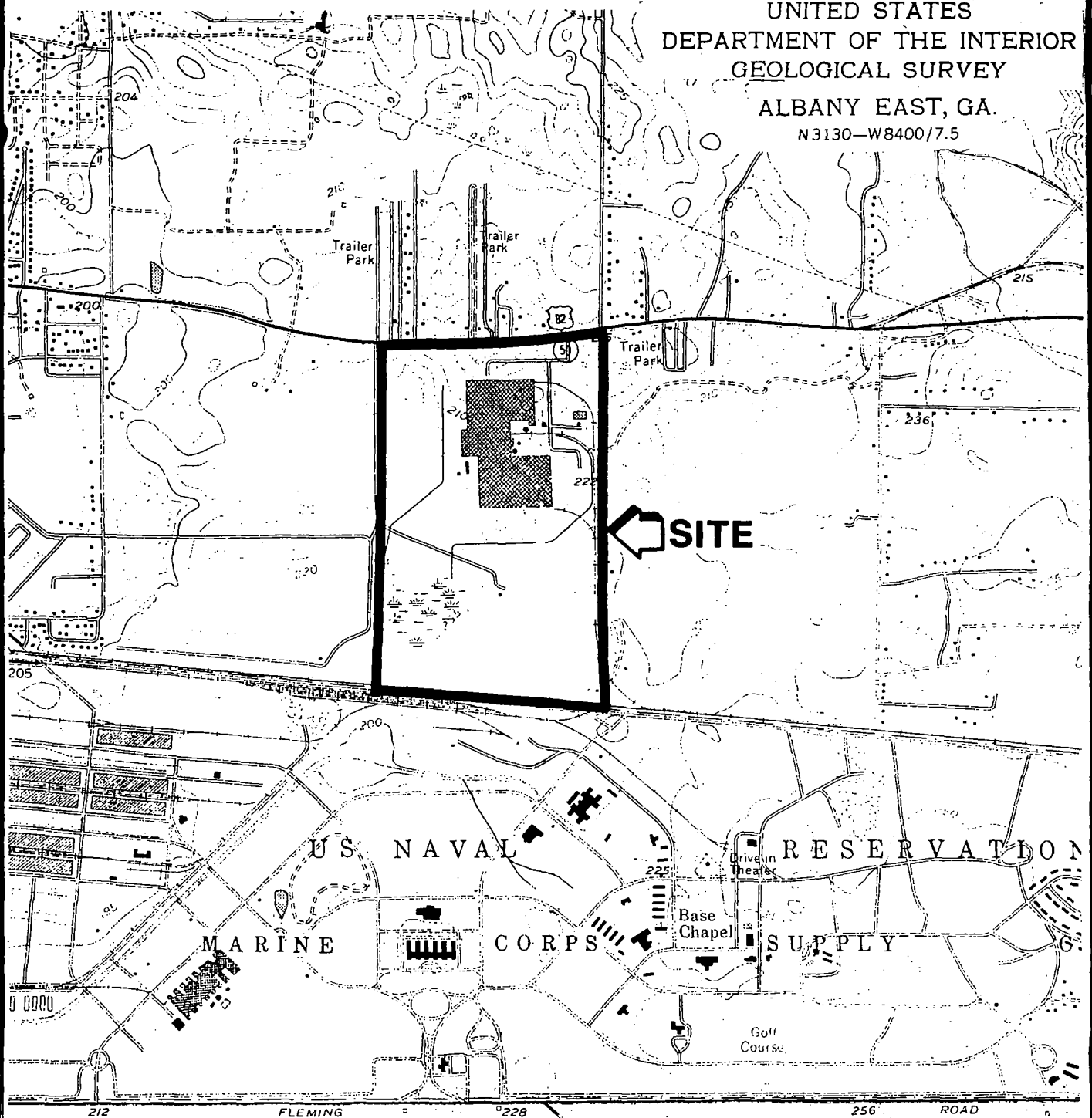


10056190



Maps  
And  
Drawings

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ALBANY EAST, GA.  
N3130-W8400/7.5



**GENERAL LOCATION MAP**  
**FORMER FIRESTONE FACILITY-ALBANY, GEORGIA**

DRAWN BY: REM

CHECKED BY: VMB

PROJECT NO: 90C6116

DATE: 30 JAN 92

FIGURE NO: 1-1

**Woodward-Clyde Consultants**

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS



# FORMER FIRESTONE TIRE MANUFACTURING PLANT

## LEGEND

- ▼ GROUNDWATER WELLS INSTALLED DURING REMEDIAL INVESTIGATION
- ▽ SURFACE WATER SAMPLING LOCATION
- ★ SOIL SAMPLING LOCATION
- SEDIMENT SAMPLING LOCATION
- ⊙ MONITORING WELLS INSTALLED PRIOR TO REMEDIAL INVESTIGATION

FORMER TEMPORARY DRUM STORAGE AREA

FORMER SOLVENT UNLOADING STATION

FORMER PROCESS OIL UNLOADING STATION

FORMER GASOLINE UST AREA

FORMER OIL STORAGE TANKS

GAS METER YARD

ABOVEGROUND STORAGE TANK AREA

COURTYARD AREA

GUARD RAIL

FORMER PRIMARY PLANT TRANSFORMER LOCATIONS

FORMER SOLVENT STORAGE TANK

FORMER PROCESS OIL/WAX STORAGE TANK

PROCESS COOLING WATER PUMP HOUSE

FORMER H-1 TRANSFORMER LOCATION

FORMER B-5 TRANSFORMER LOCATION

RAMP

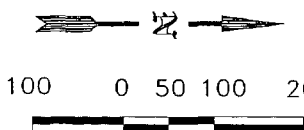
COOLING TOWER

OFFICES

PARKING

GATE HOUSE

PARKING



OW-1  
PW-1  
GEORGIA POWER SUBSTATION

MW-13  
MW-14  
P-1  
MW-1-6  
DRW-8  
RW-7

CONCRETE WALK

MW-7-5  
MW-7-8

UNDERGROUND ELECTRIC WIRES

CONCR. DITCH TANK

MW-9-1

RAMP

HAZARDOUS WASTE STORAGE AREA

FABRITANK RESERVOIRS

CONCRETE TRENCH

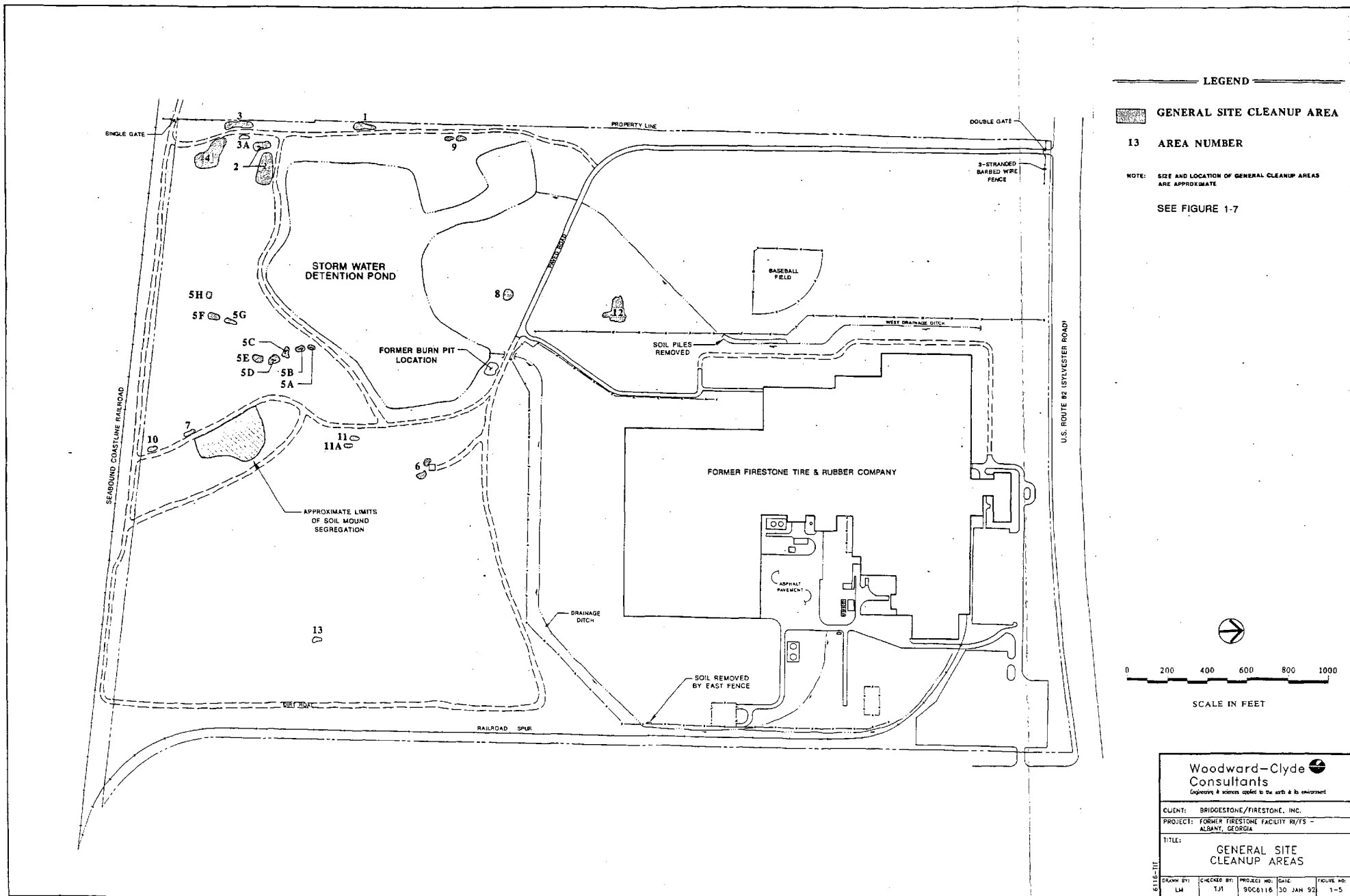
FIREPUMP HOUSE

GATE

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CLIENT:	BRIDGESTONE/FIRESTONE, INC.
PROJECT:	FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA
TITLE:	COURTYARD DETAIL
DRAWN BY:	LM
CHECKED BY:	TJT
PROJECT NO.:	90C6116
DATE:	30 JAN 92
FIGURE NO.:	1-3





PLANT

LEGEND

MW-1-1 ⊕ EXPLORATORY BORING WITH WELL

EB-1-1 ⊕ EXPLORATORY BORING

SB-3-1 • SHALLOW SOIL BORING

MW-7-6 ⊕ EXPLORATORY BORING  
NO WELL SET

SEE FIGURE 8 FOR  
SAMPLE LOCATIONS

SEE FIGURE 8 FOR  
SAMPLE LOCATIONS



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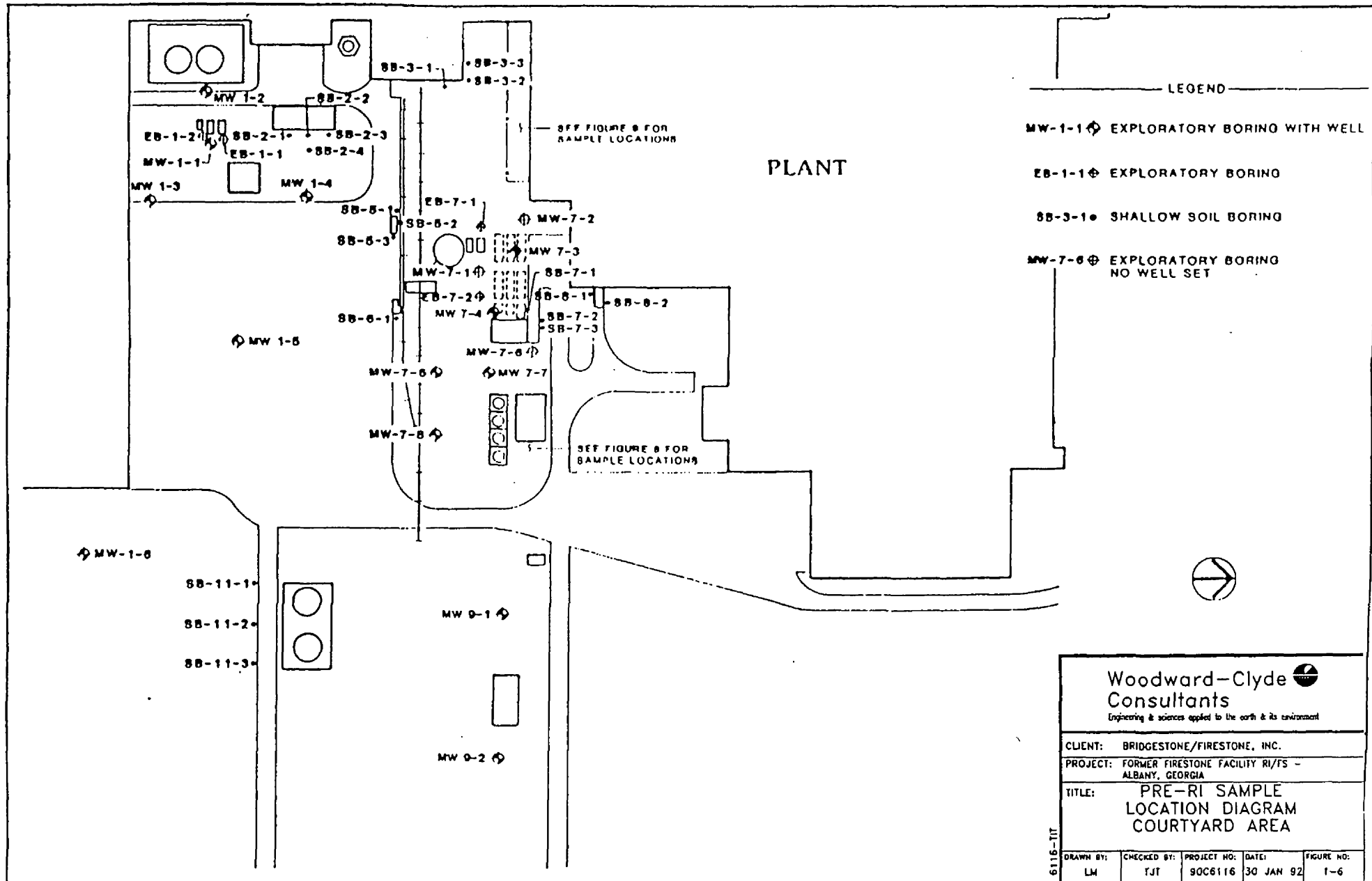
CLIENT: BRIDGESTONE/FIRESTONE, INC.

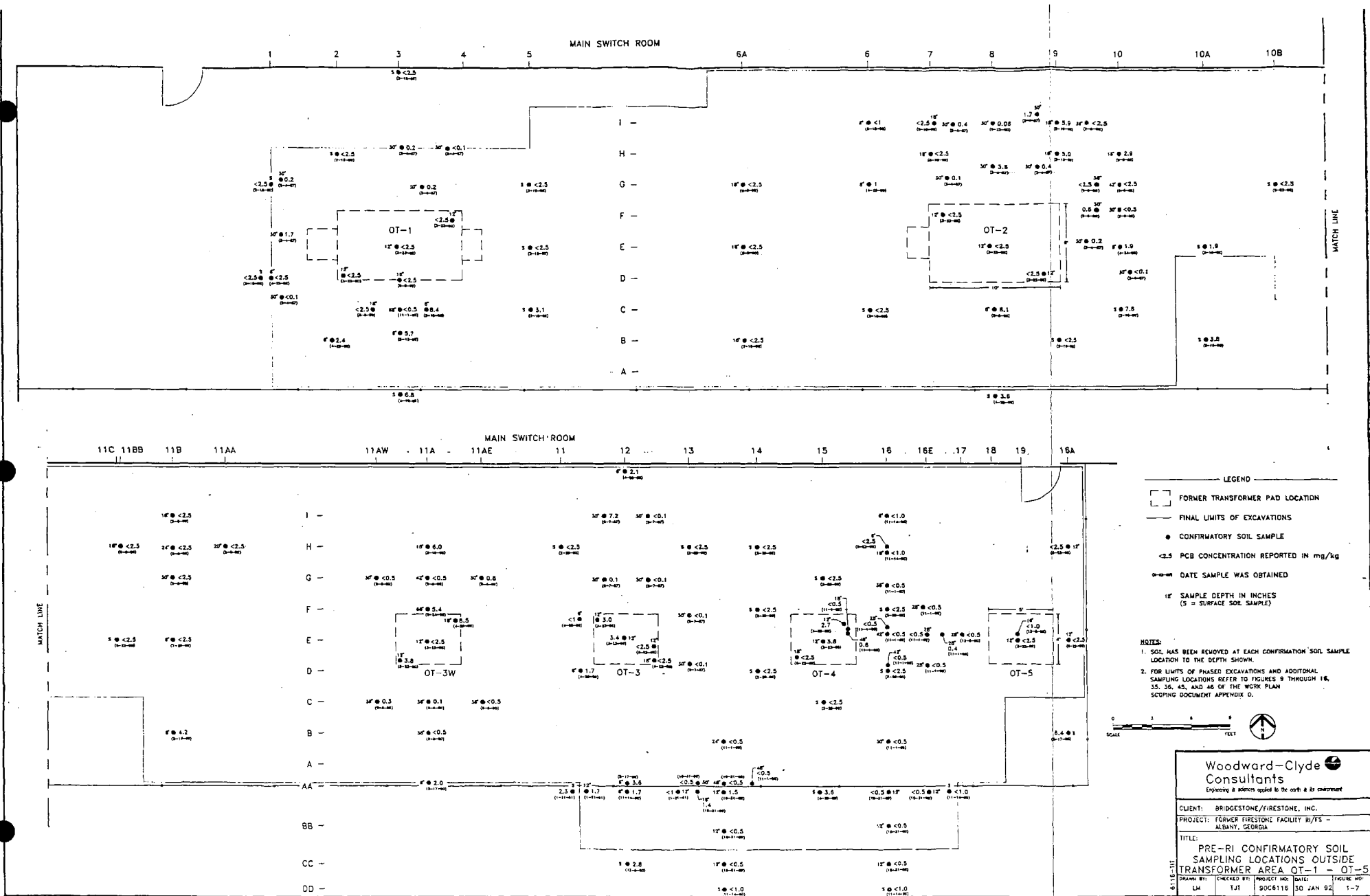
PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

TITLE: PRE-RI SAMPLE  
LOCATION DIAGRAM  
COURTYARD AREA

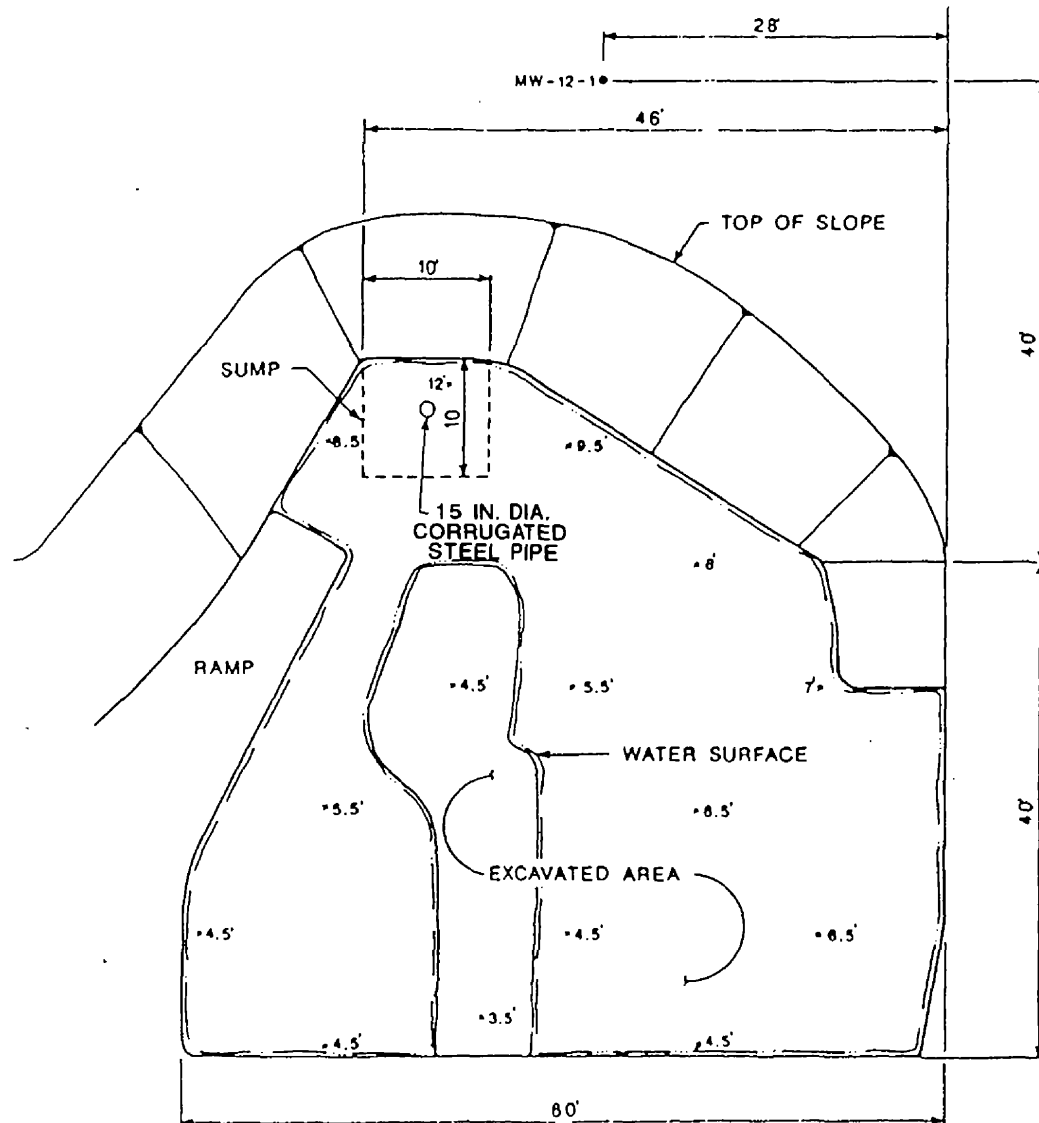
6116-TIT

DRAWN BY: LM	CHECKED BY: TJT	PROJECT NO: 90C6116	DATE: 30 JAN 92	FIGURE NO: 1-6
-----------------	--------------------	------------------------	--------------------	-------------------



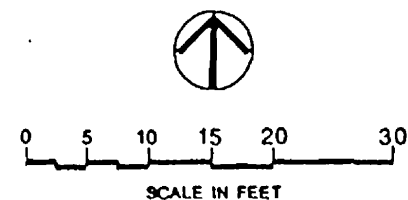






LEGEND

3.5 DEPTH OF EXCAVATION RELATIVE TO NEAREST SIDEWALL



FINAL BURN PIT CONFIGURATION  
FORMER FIRESTONE FACILITY  
ALBANY, GEORGIA

Woodward-Clyde Consultants

DRAWN: REM

FIGURE

DATE: 9-8-88

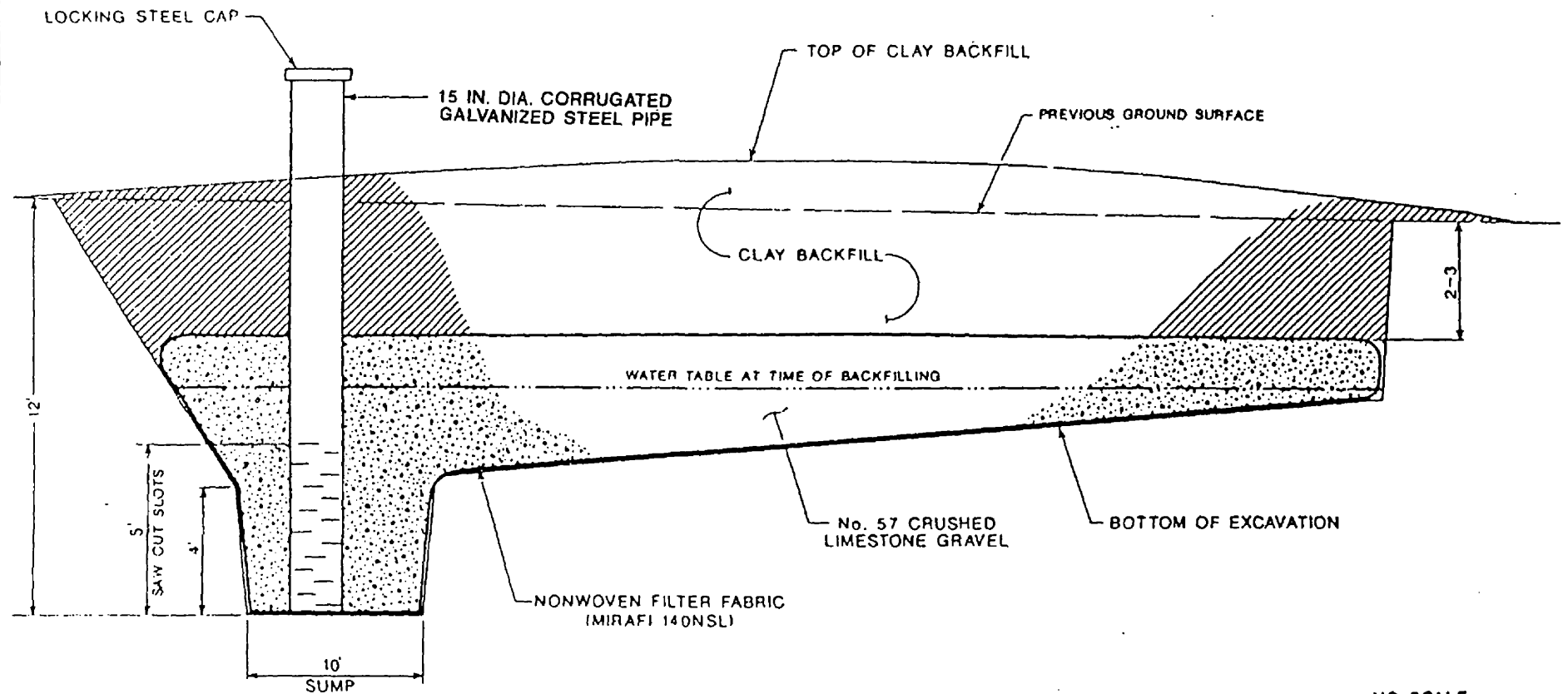
CHECKED: VMB

1-8

90C6116

NORTH

SOUTH



NO SCALE

BACKFILLING AND RESTORATION  
SCHEMATIC FORMER BURN PIT  
FORMER FIRESTONE FACILITY  
ALBANY, GEORGIA

Woodward-Clyde Consultants

DRAWN: REM

FIGURE

DATE: 9-5-90

CHECKED: VMB

1-9

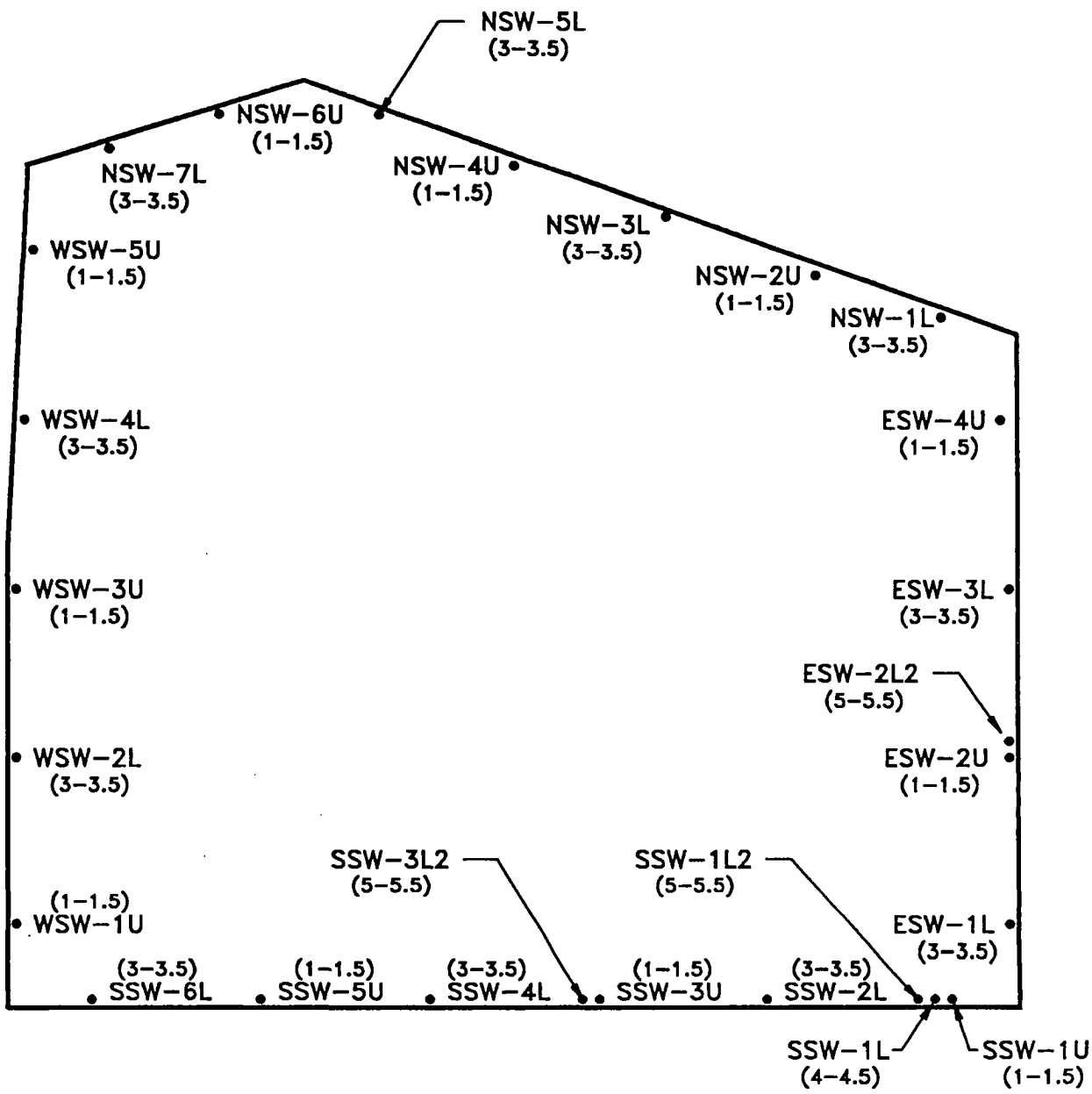
90C6116



LEGEND

• SIDEWALL SAMPLING LOCATION

(4-4.5) DEPTH OF SAMPLE (IN FEET)



0 5 10 15 20 30

SCALE IN FEET

**FINAL SIDEWALL SAMPLING LOCATIONS (PRE-RI) - FORMER BURN PIT**

FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA

DRAWN BY: REM

CHECKED BY: VMB

PROJECT NUMBER: 90C6116

DATE: 30 JAN 92

FIGURE NO: 1-10

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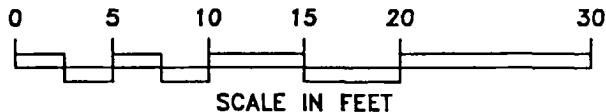
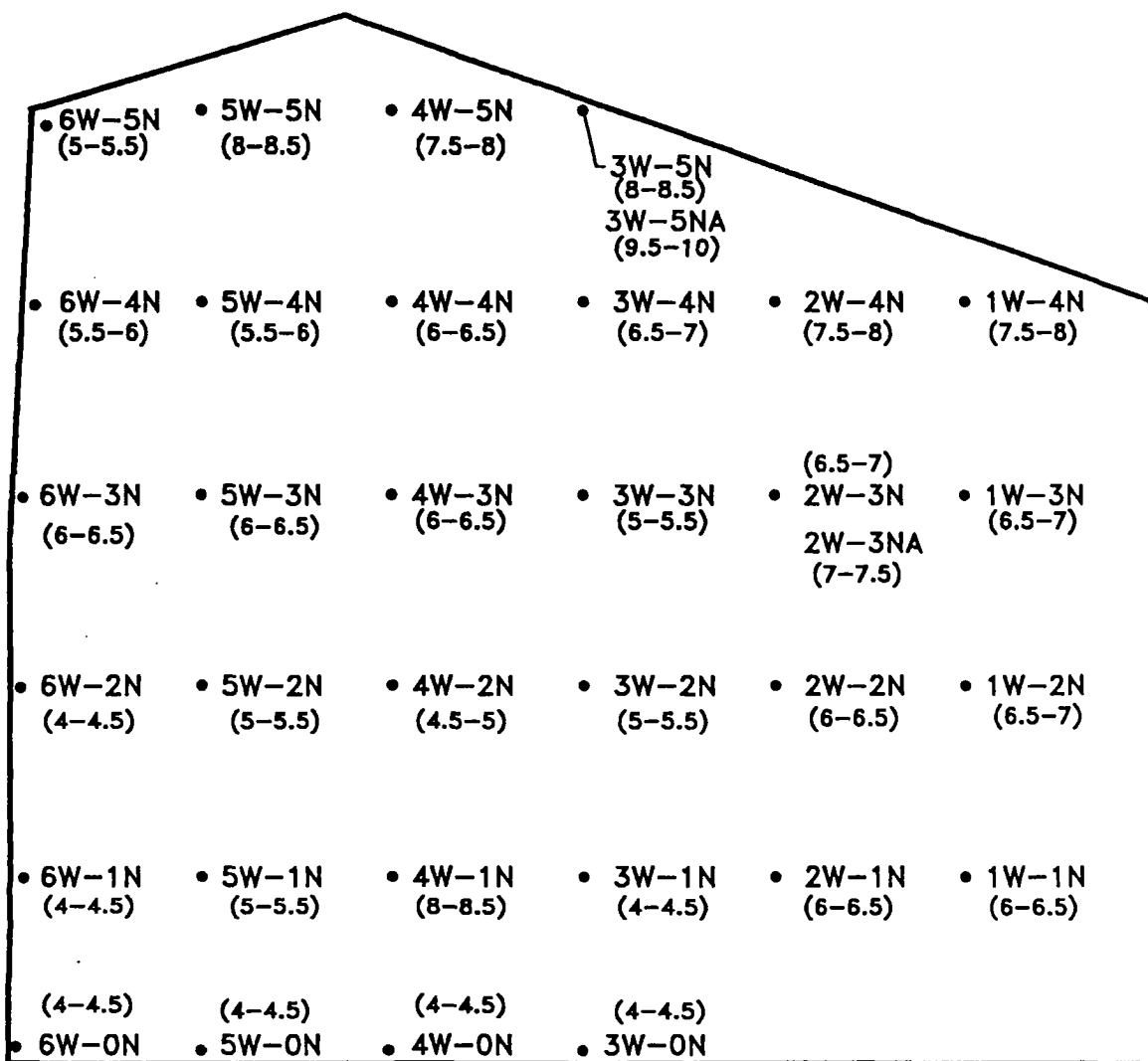




LEGEND

- BOTTOM SAMPLING LOCATION

(8-8.5) DEPTH OF SAMPLE RELATIVE TO  
NEAREST SIDEWALL (IN FEET)



**FINAL BOTTOM SAMPLING LOCATIONS (PRE-RI) - FORMER BURN PIT**  
FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA

DRAWN BY: REM

CHECKED BY: VMB

PROJECT NUMBER: 90C6116

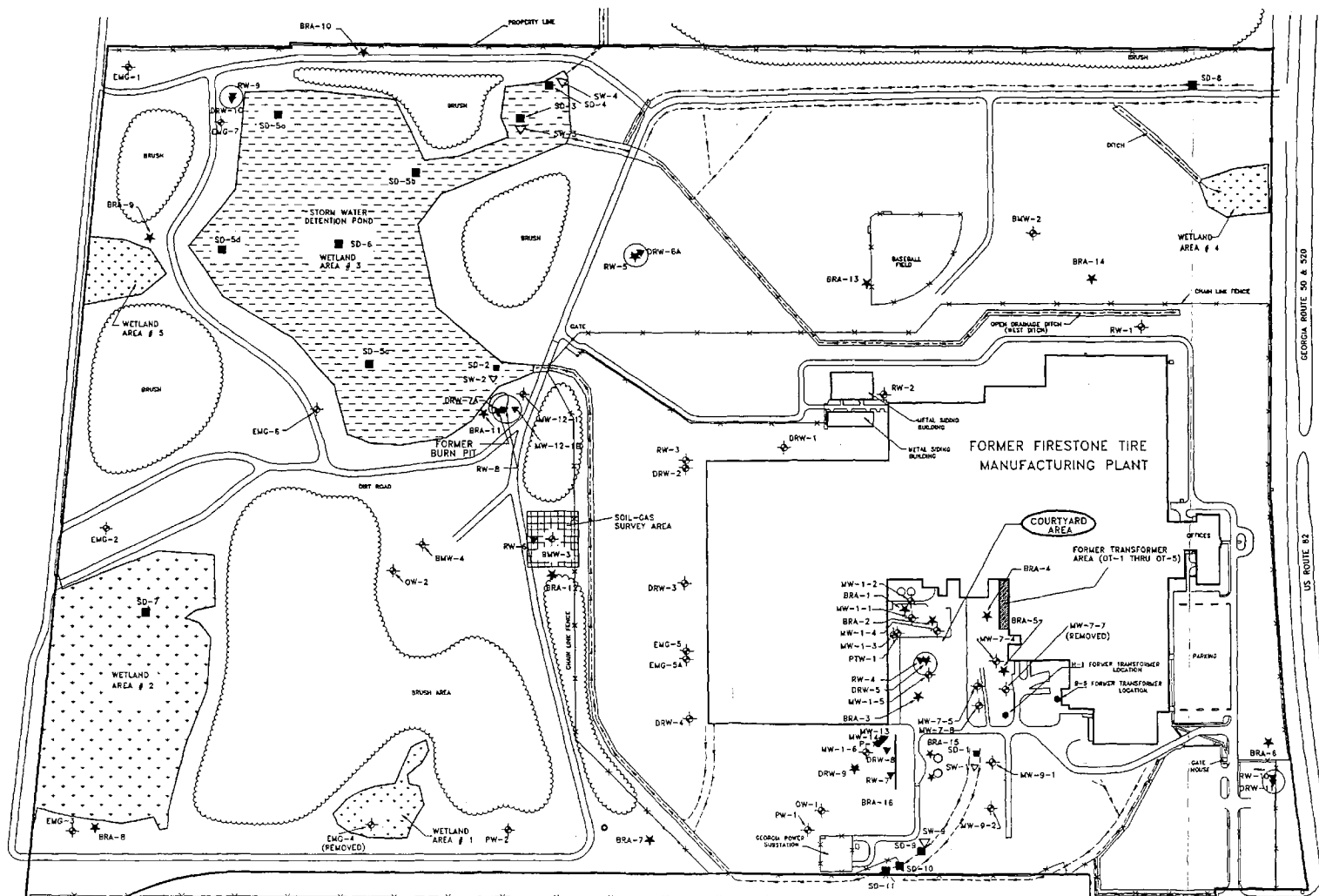
DATE: 30 JAN 92

FIGURE NO: 1-11

Woodward-Clyde Consultants

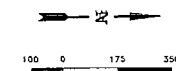


CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS



# LEGEND

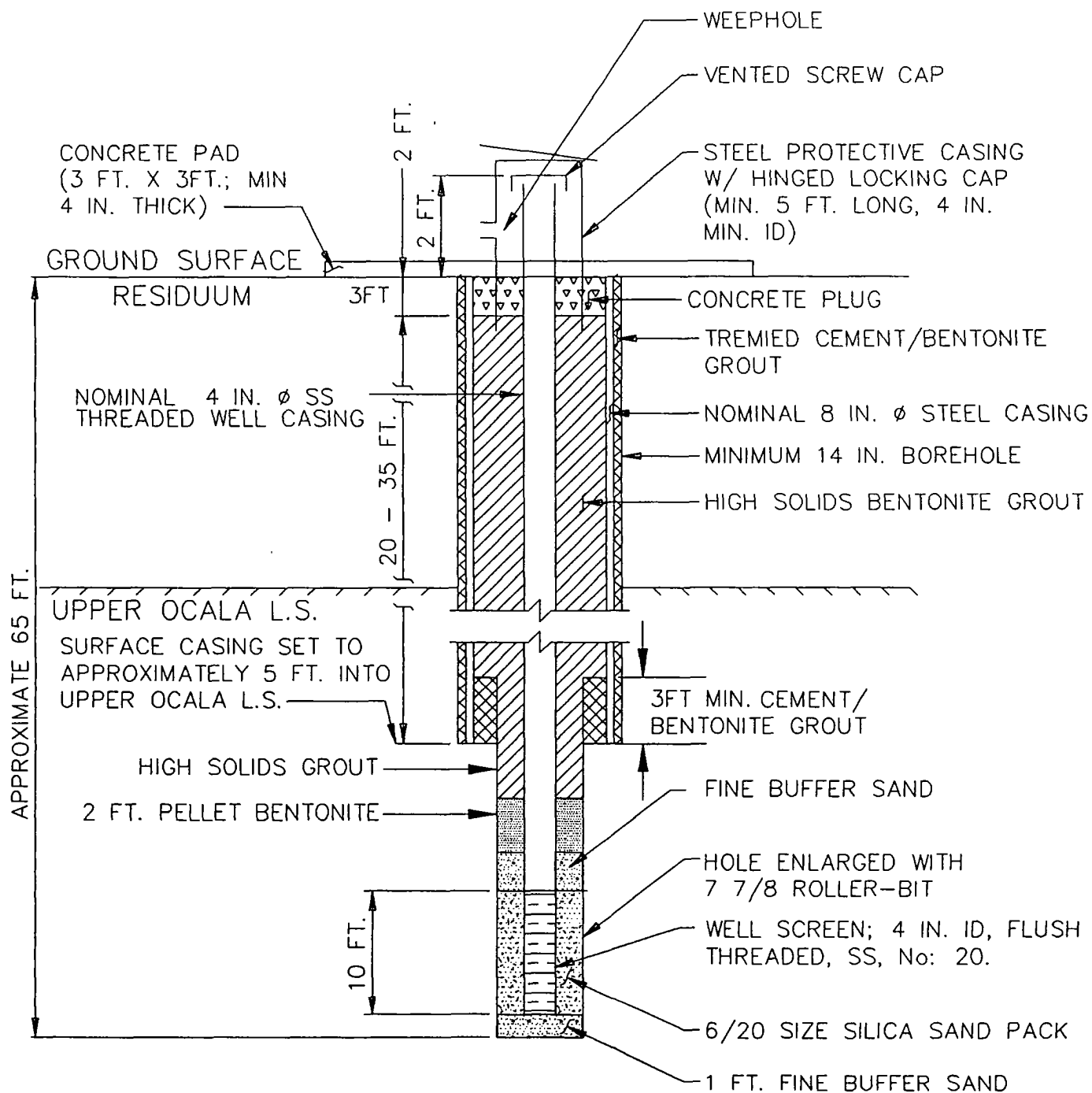
- ▼ GROUNDWATER WELLS INSTALLED DURING REMEDIAL INVESTIGATION
- ▽ RI SURFACE WATER SAMPLING LOCATION
- ★ RI SOIL SAMPLING LOCATION
- RI SEDIMENT SAMPLING LOCATION
- MONITORING WELLS INSTALLED PRIOR TO REMEDIAL INVESTIGATION
- TREE AND BRUSH AREAS
- WETLAND AREAS (Defined by 9 April 1990 wetland survey)
- SURFACE WATER RUNOFF DITCH
- FENCE LINE



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CLIENT: BRIDGESTONE/IRESTONE, INC.  
PROJECT: FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA  
TITLE: RI/FS SAMPLING AND MONITORING WELL LOCATIONS

DATE	BY	CHECKED BY	PROJECT NO.	DATE	TITLE
11	IT		900116	30 JAN 92	2-1



NOT TO SCALE

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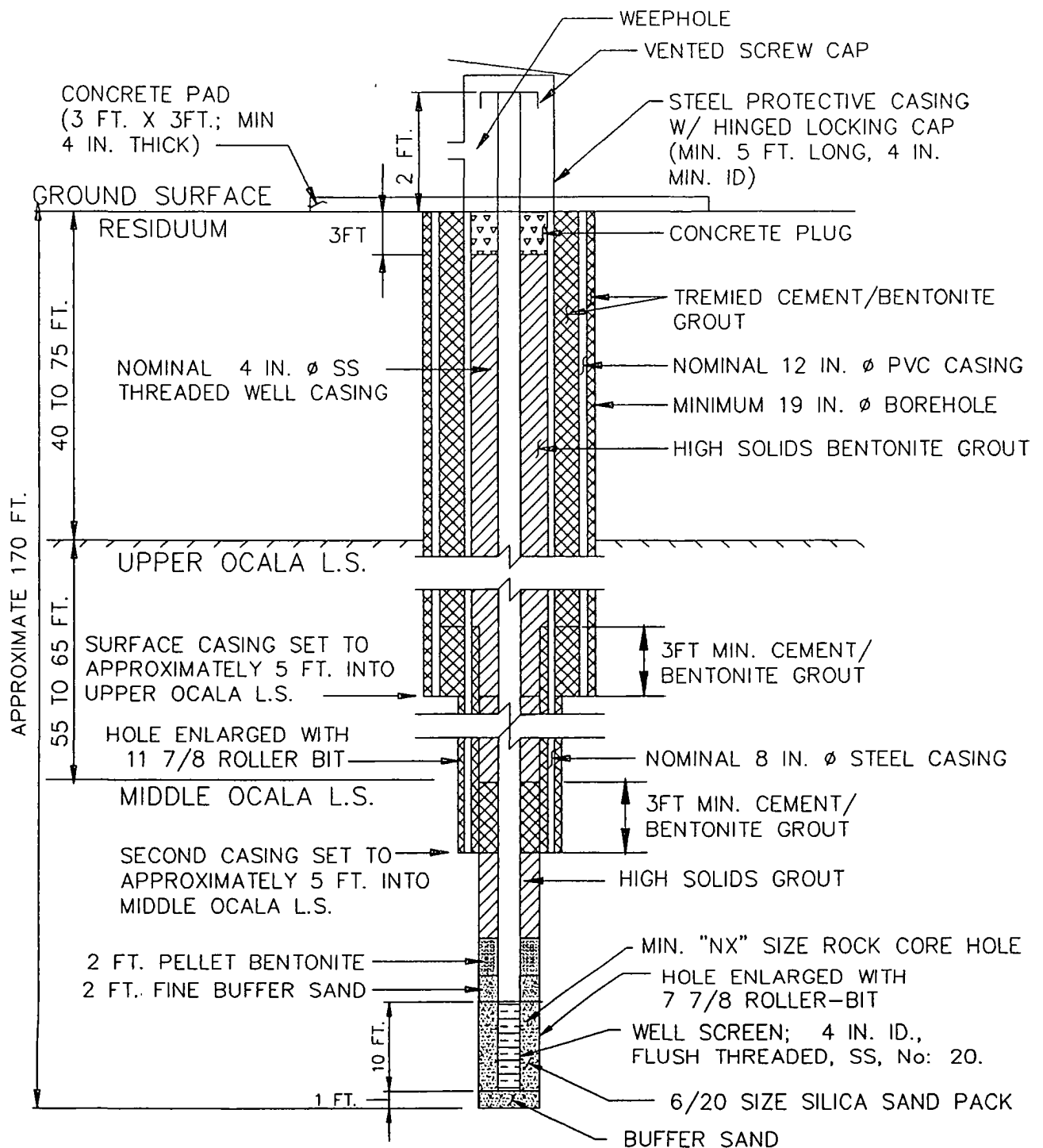
CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

TITLE:  
TYPICAL MONITORING WELL  
CONSTRUCTION DIAGRAM FOR  
LOWER Ocala WELL

DRAWN BY:	CHECKED BY:	PROJECT NO:	DATE:	FIGURE NO:
LO	SA	90C6116	30 JAN 92	2-2

C:\90C6116\2-1



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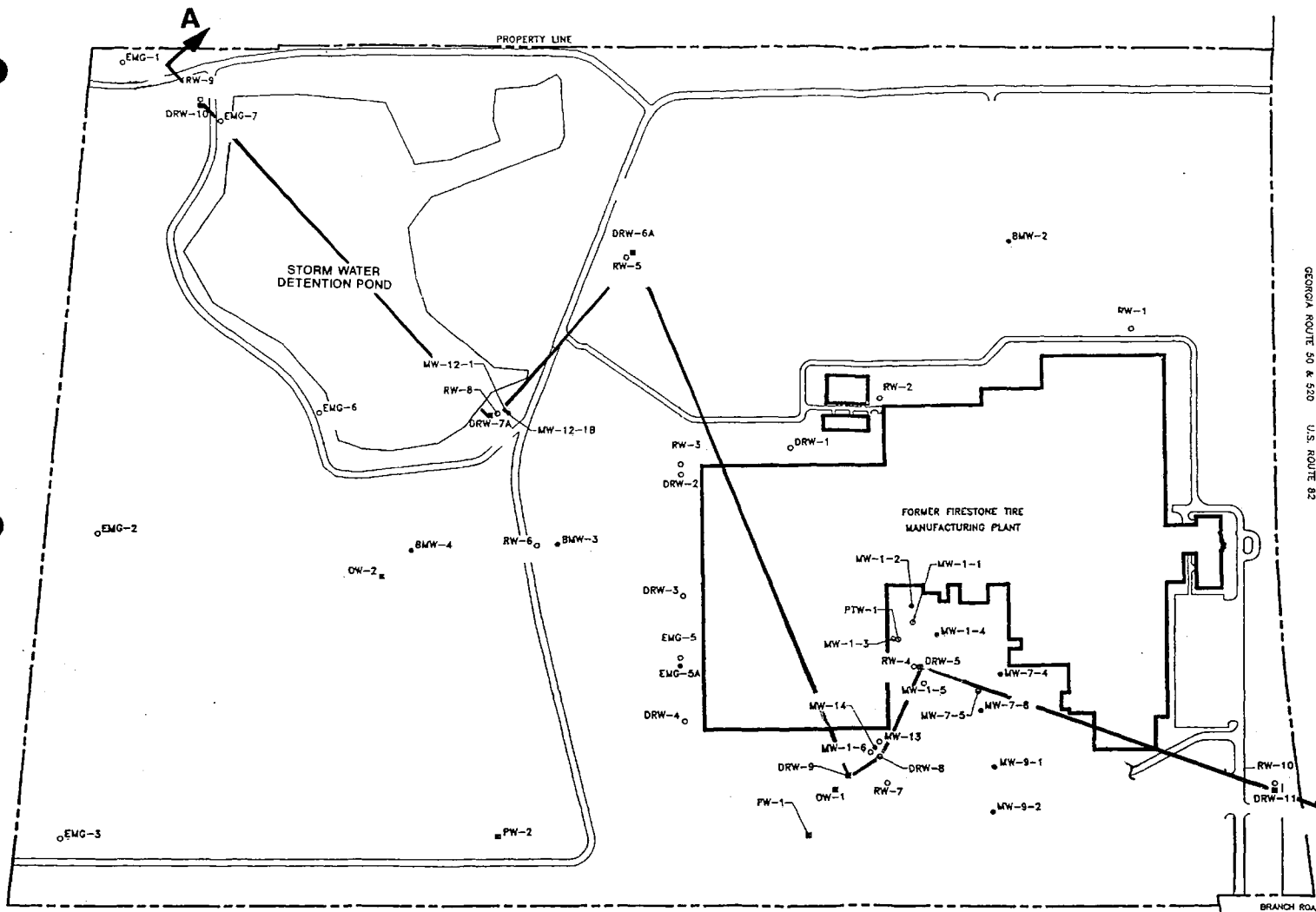
CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

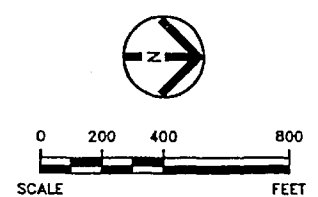
TITLE:  
TYPICAL MONITORING WELL  
CONSTRUCTION DIAGRAM FOR  
LOWER OCALA WELL

DRAWN BY: LM	CHECKED BY: TJT	PROJECT NO: 90C6116	DATE: 30 JAN 92	FIGURE NO: 2-3
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C:\90C6116\2-2



- LEGEND
- RESIDUUM WELL
  - UPPER OCALA LIMESTONE WELL
  - ◻ LOWER OCALA LIMESTONE WELL



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CLIENT: BRIDGESTONE/FIRESTONE, INC.  
PROJECT: FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA

TITLE: GEOPHYSICAL PROFILE LOCATION MAP

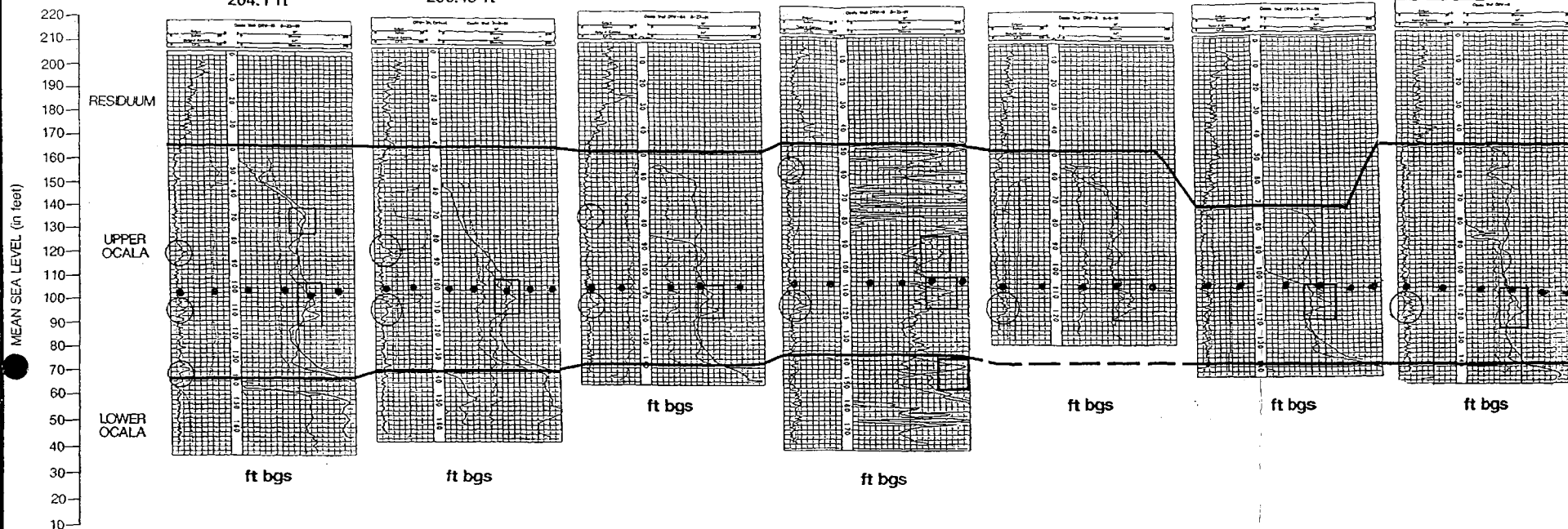
DRAWN BY: LM	CHECKED BY: TJT	PROJECT NO: 90C6116	DATE: 30 JAN 92	FIGURE NO: 2-4
-----------------	--------------------	------------------------	--------------------	-------------------

6116-TIT



A

A'

DRW-10  
204.1 ftDRW-7A  
206.48 ftDRW-6A  
212.32 ftDRW-9  
214.58 ftDRW-8  
214.58 ftDRW-5  
212.30 ftDRW-11  
214.58 ft

## LEGEND

- • PERMEABLE ZONES
- SEMI-CONFINING UNITS
- CONTACT
- INFERRED CONTACT

VERTICAL  
SCALE: ft  
0 10 20 30

HORIZONTAL  
NOT TO SCALE

REMARKS: The S.P. is the Dotted Curve in the left hand column scaled 0—150 Millivolts.

The Single Point curve was not generated because of a very poor ground.

Caliper	16"	0	200
Natural Gamma	64"	0	200
C.P.S.	0hm-m	0	200

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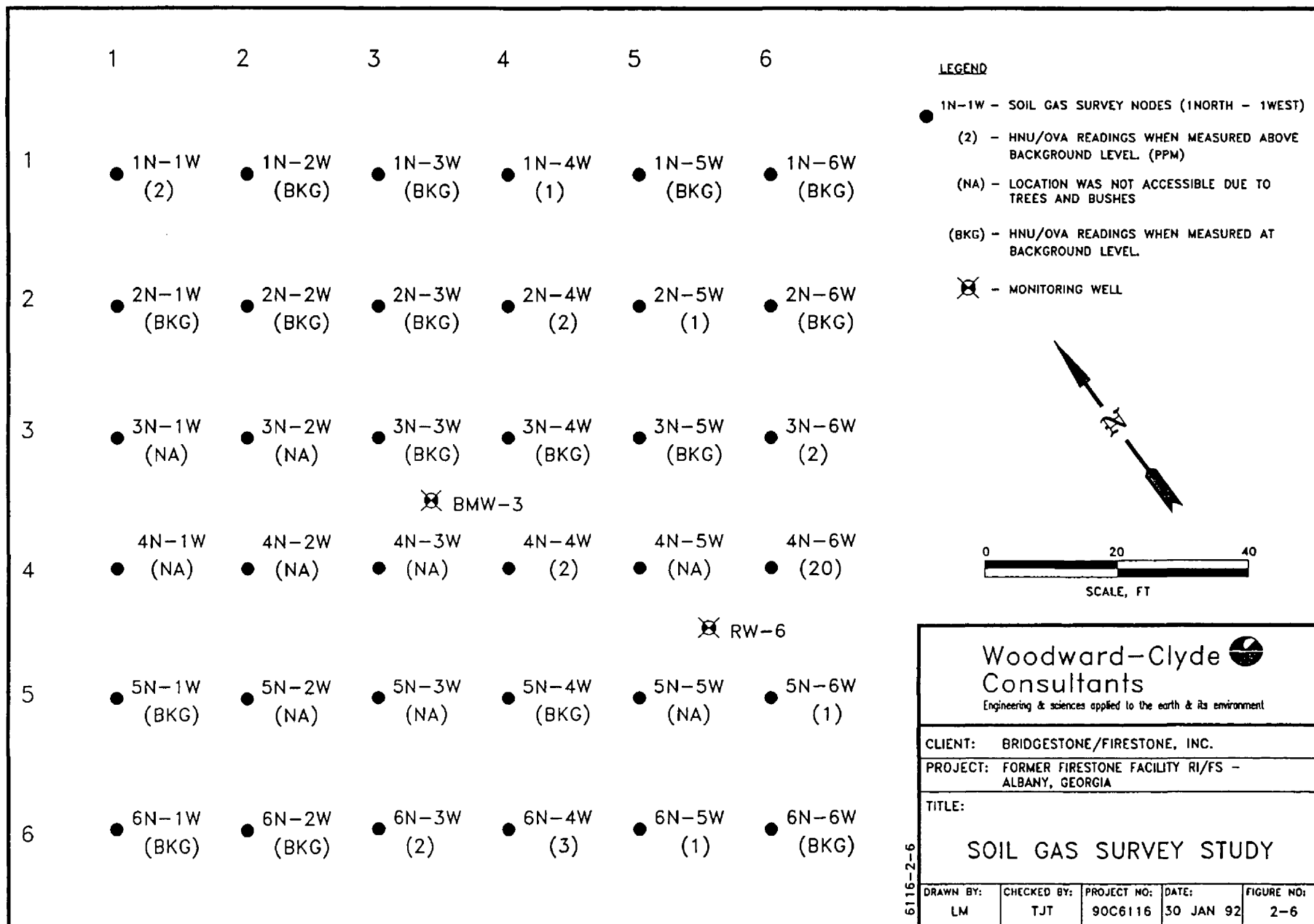
CLIENT: BRIDGESTONE/FIRESTONE, INC.

LOCATION: FORMER FIRESTONE FACILITY — ALBANY, GEORGIA

TITLE:

**GEOPHYSICAL PROFILE A-A'**

DRAWN BY:	CHECKED BY:	PROJECT NO:	DATE:	FIGURE NO:
LM	GD	90C6116	30 JAN 92	2-5



# MAIN SWITCH ROOM

OT-2-SI-8-C2-01 (0.650)  
OT-2-SI-8-C2-04 (ND)

OT-1  
OT-1-SC3-C2N-04 (0.270)  
OT-1-SC3-C2W-02 (0.110)  
OT-1-SC3-C2-01 (0.210)  
OT-1-SC3-C2-04 (17.0)  
OT-1-SC3-C2-04.5 (230.0)  
OT-1-SC3-C2-05 (48.0)  
OT-1-SC3-C2E-05.5 (24.0)  
OT-1-SC3-C2S-01.5 (0.027)

OT-2

## LEGEND

• CONFIRMATORY SOIL SAMPLE LOCATION

(17.0) PCB CONCENTRATIONS  
REPORTED IN mg/kg

ND NOT DETECTED



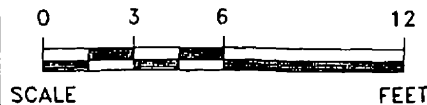
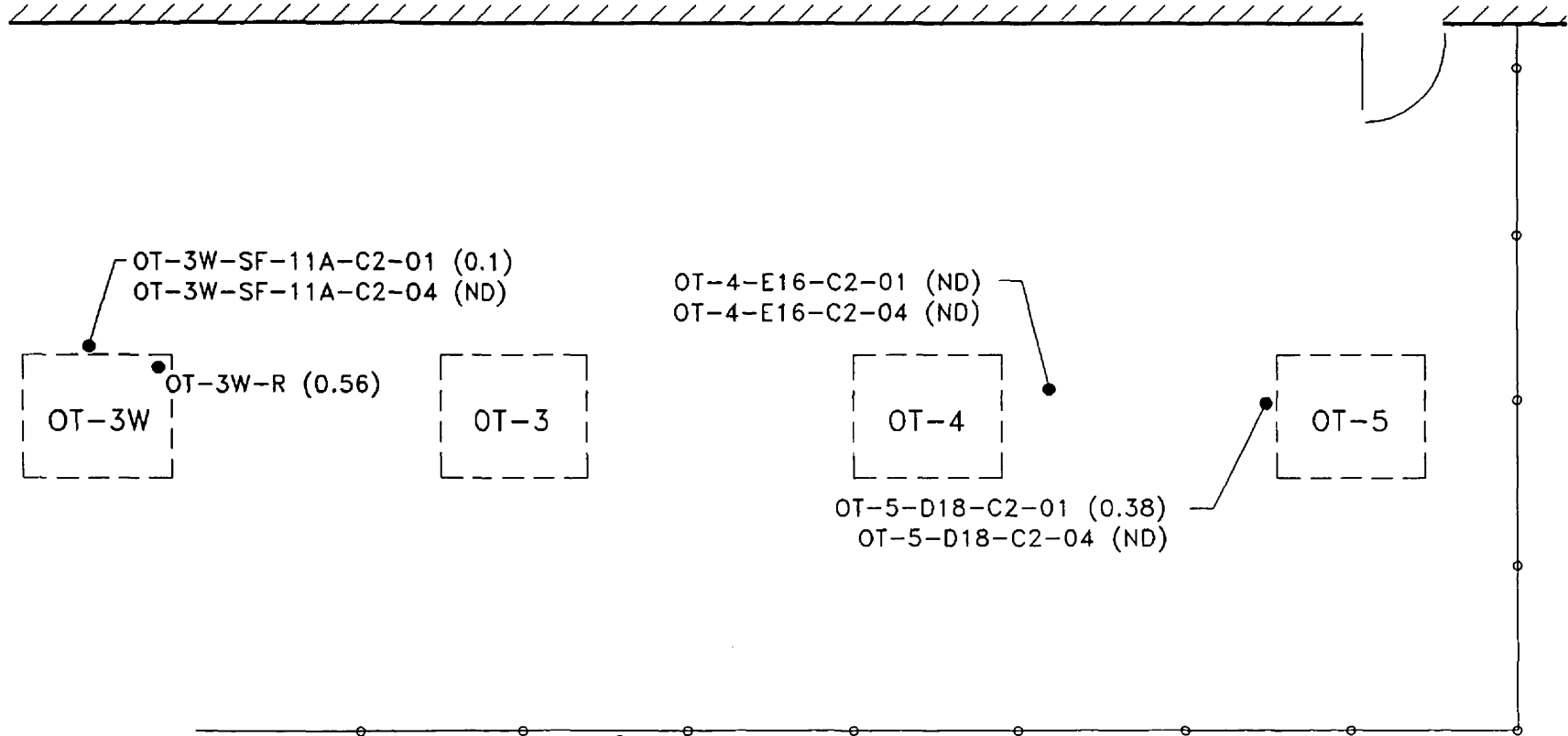
0 3 6 12  
SCALE FEET

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CLIENT: BRIDGESTONE/FIRESTONE, INC.				
LOCATION: FORMER FIRESTONE FACILITY - ALBANY, GEORGIA				
TITLE: CONFIRMATORY PCB SAMPLING LOCATIONS AND ANALYTICAL RESULTS COURTYARD TRANSFORMER AREA OT-1 & OT-2				
DRAWN BY: B.Mc	CHECKED BY: REM	PROJECT NO: 90C6116	DATE: 30 Jan 92	FIGURE NO: 2-7

6116-21

MAIN SWITCH ROOM



LEGEND

● CONFIRMATORY SOIL SAMPLE LOCATION

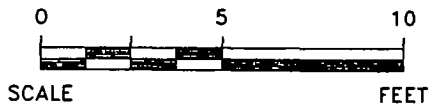
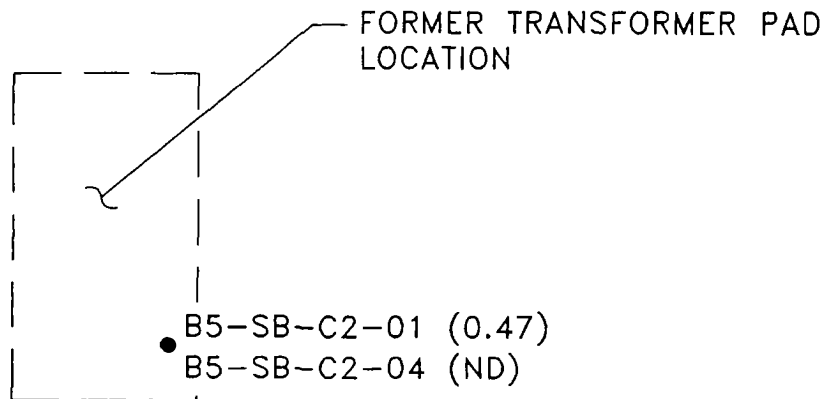
(0.1) PCB (CONCENTRATION) REPORTED IN mg/kg

ND NOT DETECTED

CONFIRMATORY PCB SAMPLING LOCATIONS AND ANALYTICAL RESULTS  
COURTYARD TRANSFORMER AREA OT-3W - OT-5  
FORMER FIRESTONE FACILITY - ALBANY, GEORGIA

DRAWN BY: B.Mc | CHECKED BY: REM | PROJECT NUMBER: 90C6116 | DATE: 30 January 92 | FIGURE NO: 2-8

STEEL BUILDING



LEGEND

- CONFIRMATORY SOIL SAMPLE LOCATION
- (0-0.5) PCB CONCENTRATIONS REPORTED IN MG/KG
- ND NOT DETECTED

CONFIRMATORY PCB SAMPLING LOCATIONS AND ANALYTICAL RESULTS - TRANSFORMER AREA B-5  
FORMER FIRESTONE FACILITY - ALBANY, GEORGIA

DRAWN BY: LM

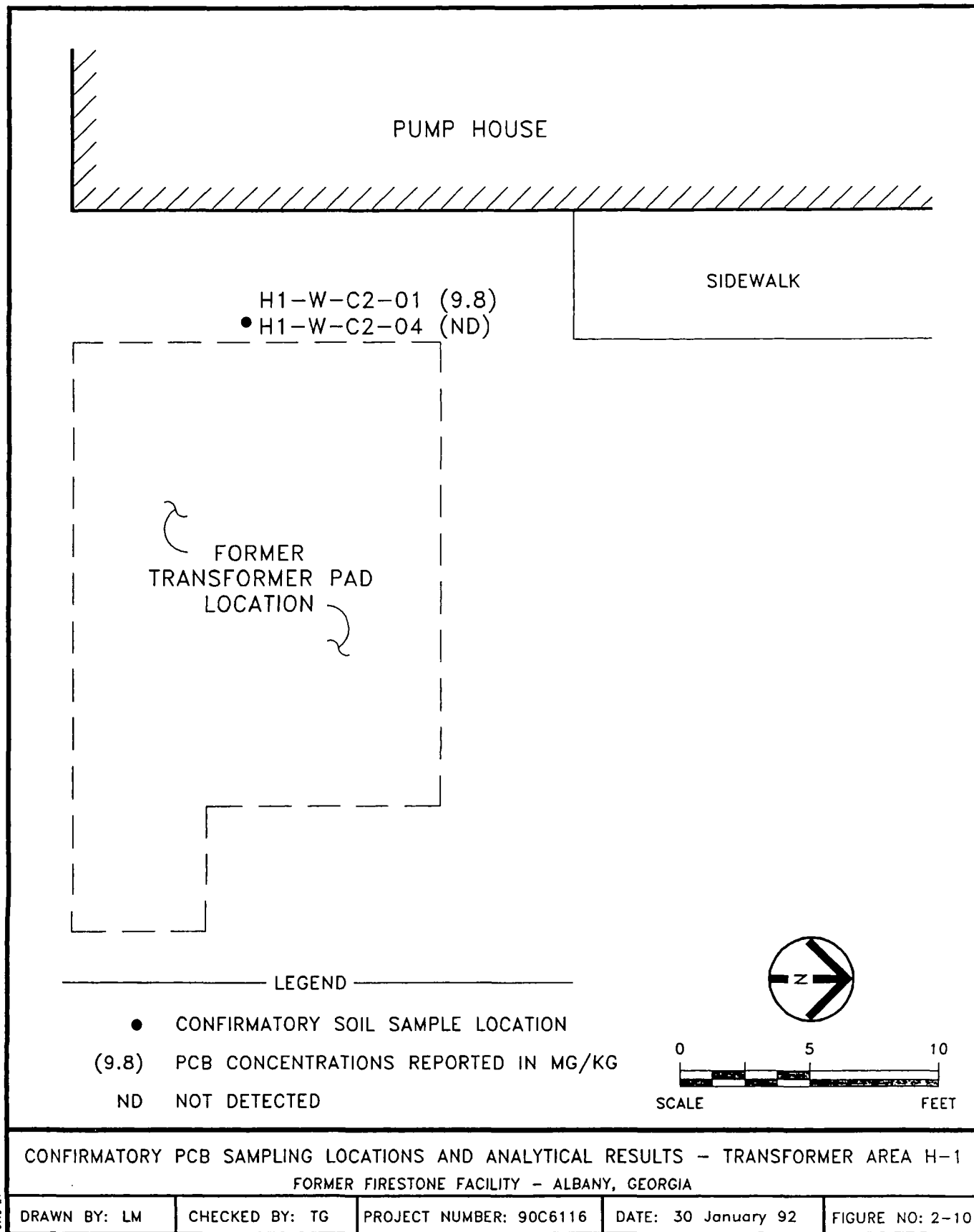
CHECKED BY: FO

PROJECT NUMBER: 90C6116

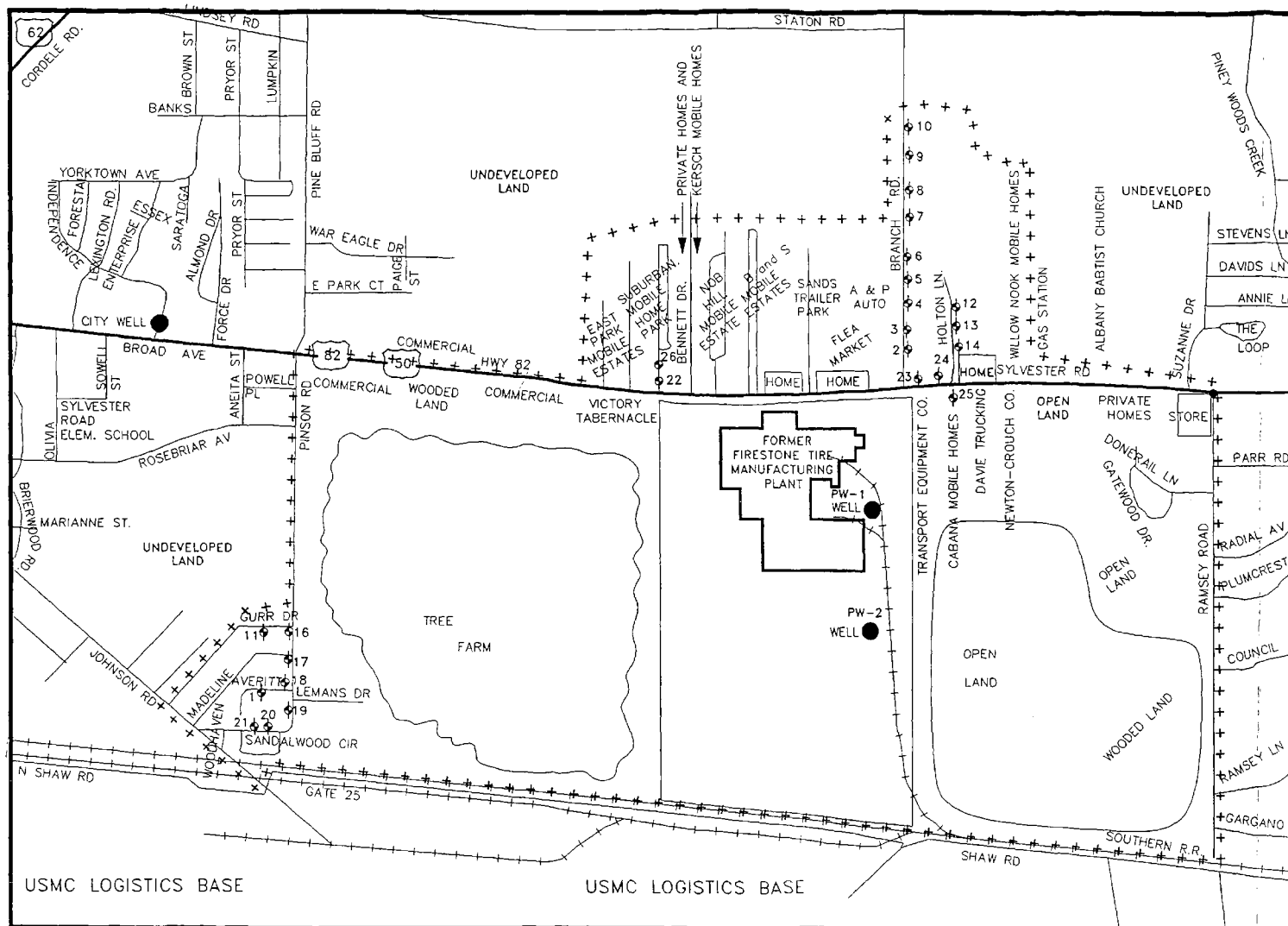
DATE: 30 January 92

FIGURE NO: 2-9

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Consultants



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Consultants



# LEGEND

- MUNICIPAL / INDUSTRIAL WELLS
- ⊕ WELLS IDENTIFIED BY RESIDENTIAL WELL SURVEY
- +++ BOUNDARIES OF RESIDENTIAL WELL SURVEY DISTRIBUTION

NOTE:  
CITY OF ALBANY - MUNICIPAL WELL 15 IS LOCATED WEST OF THE FLINT RIVER AND IS NOT SHOWN ON THIS MAP.

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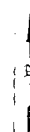
CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

TITLE:  
GROUNDWATER WELLS LOCATED  
IN SITE VICINITY

DRAWN BY: LM	CHECKED BY: TJT	PROJECT NO: 90C6116	DATE: 30 JAN 92	FIGURE NO: 2-11
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0 2000ft 4000ft

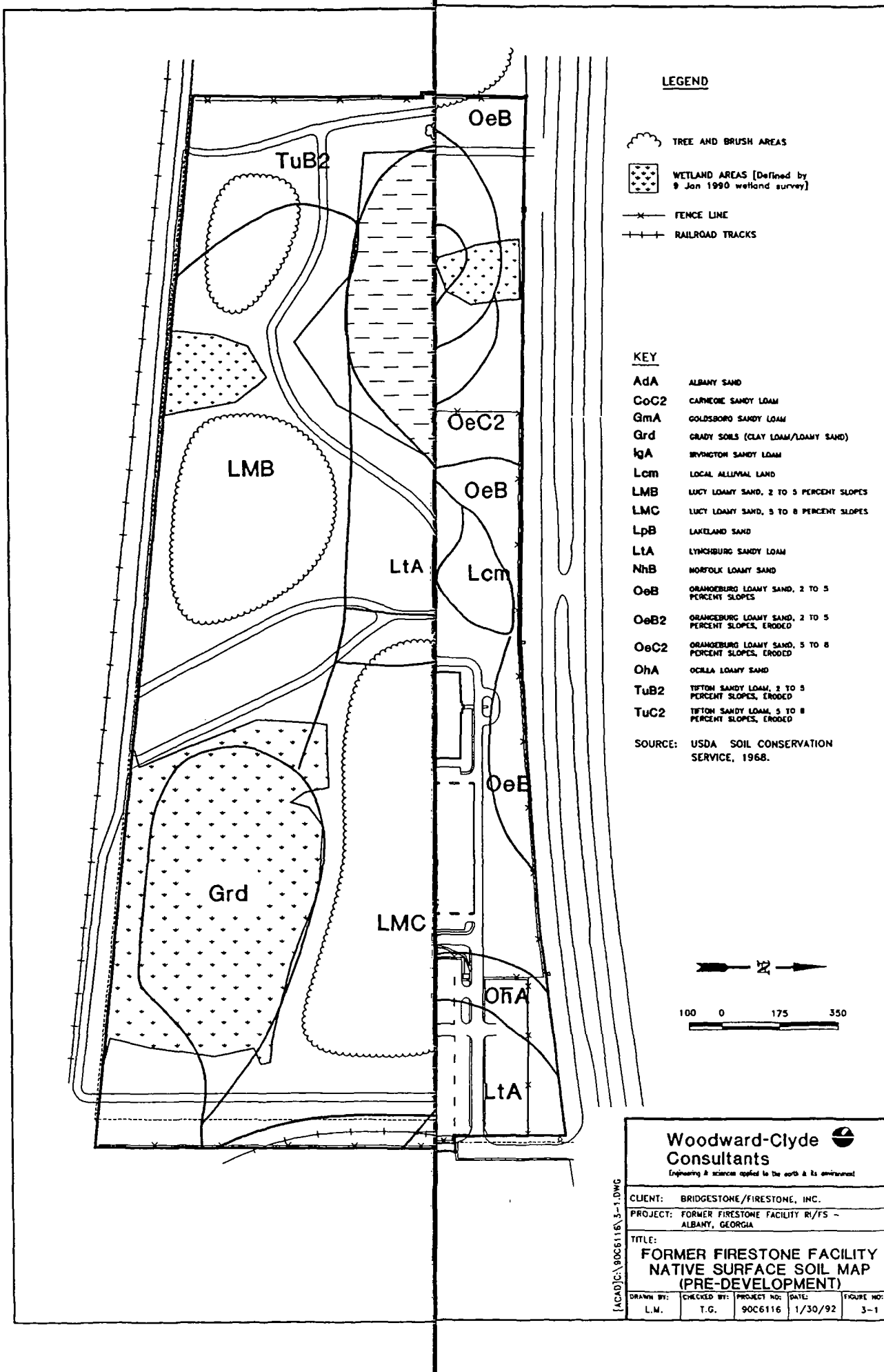


6116-A



CLIENT: BRIDGESTONE/FIRESTONE, INC.				
PROJECT: FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA				
TITLE: GROUNDWATER WELLS WITHIN A 3 MILE RADIUS OF THE FORMER FIRESTONE FACILITY				
DRAWN BY:	CHECKED BY:	PROJECT NO:	DATE:	FIGURE NO:
LM	TJT	90C6116	30 JAN 92	2-12





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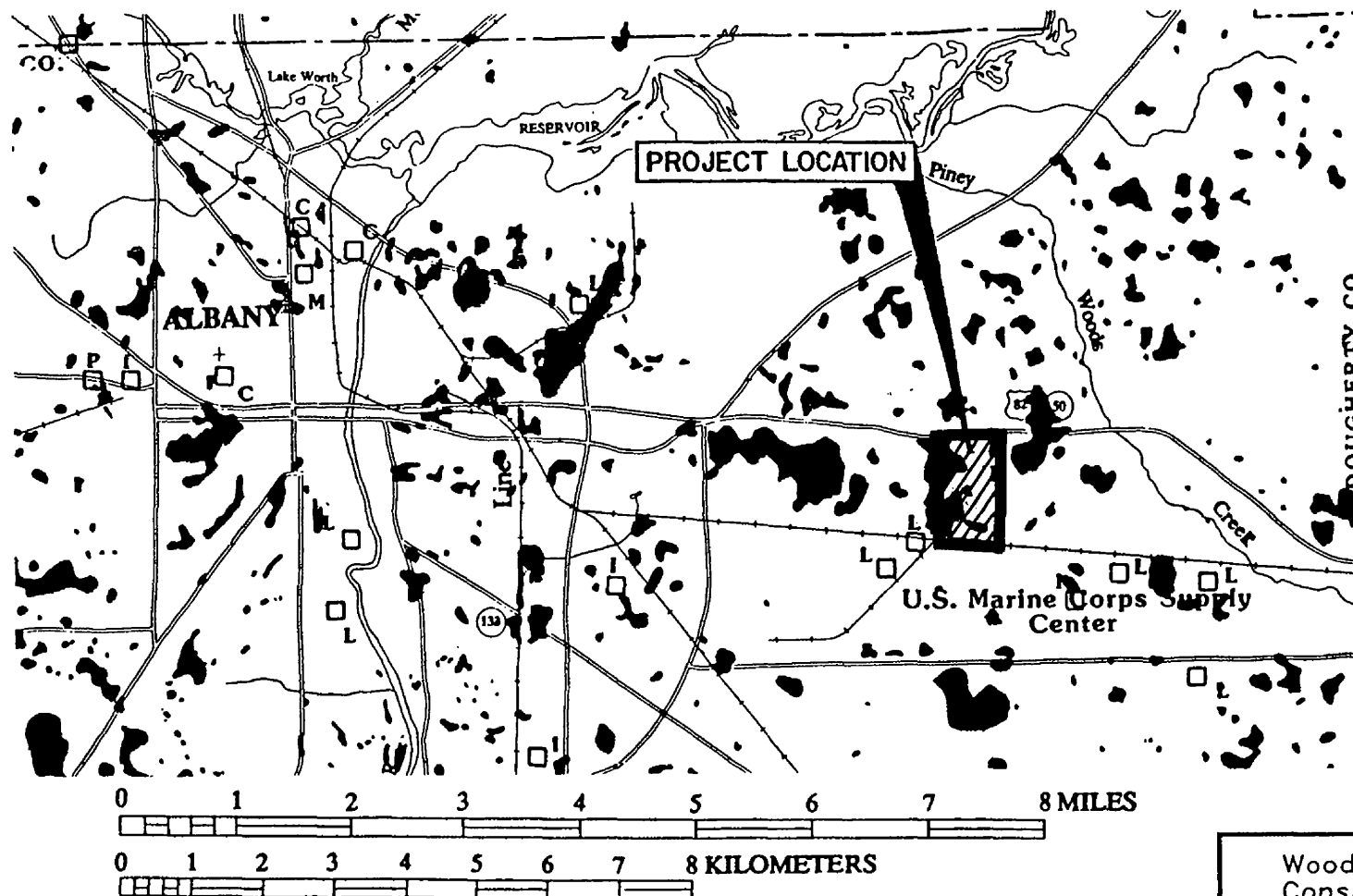
CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY R/FS - ALBANY, GEORGIA

TITLE:  
**FORMER FIRESTONE FACILITY  
NATIVE SURFACE SOIL MAP  
(PRE-DEVELOPMENT)**

DRAWN BY: L.M.	CHECKED BY: T.G.	PROJECT NO: 90C6116	DATE: 1/30/92	FIGURE NO: 3-1
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[ACAD]C:\90C6116\3-1.DWG

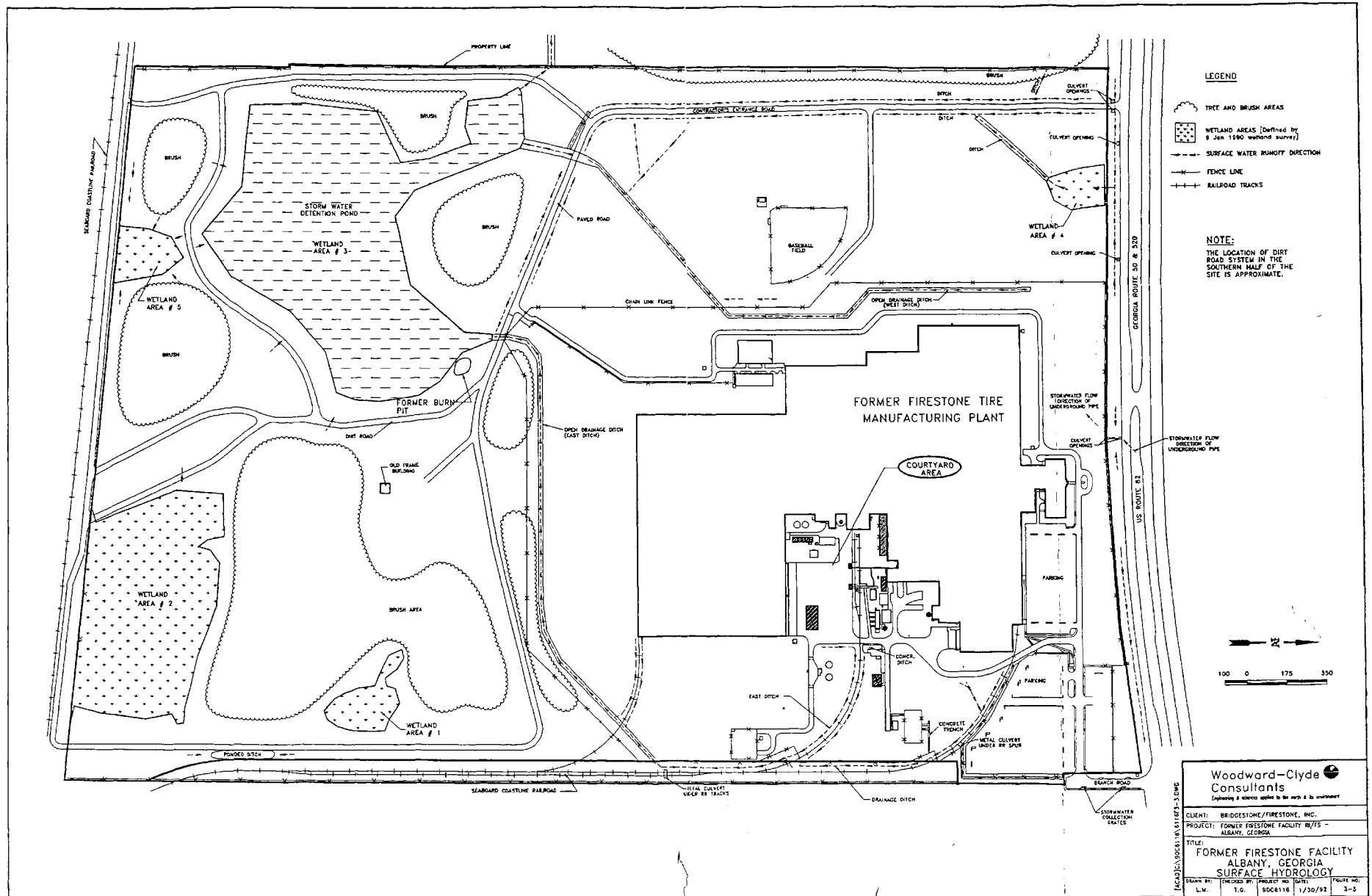


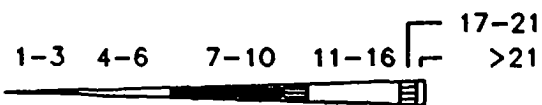
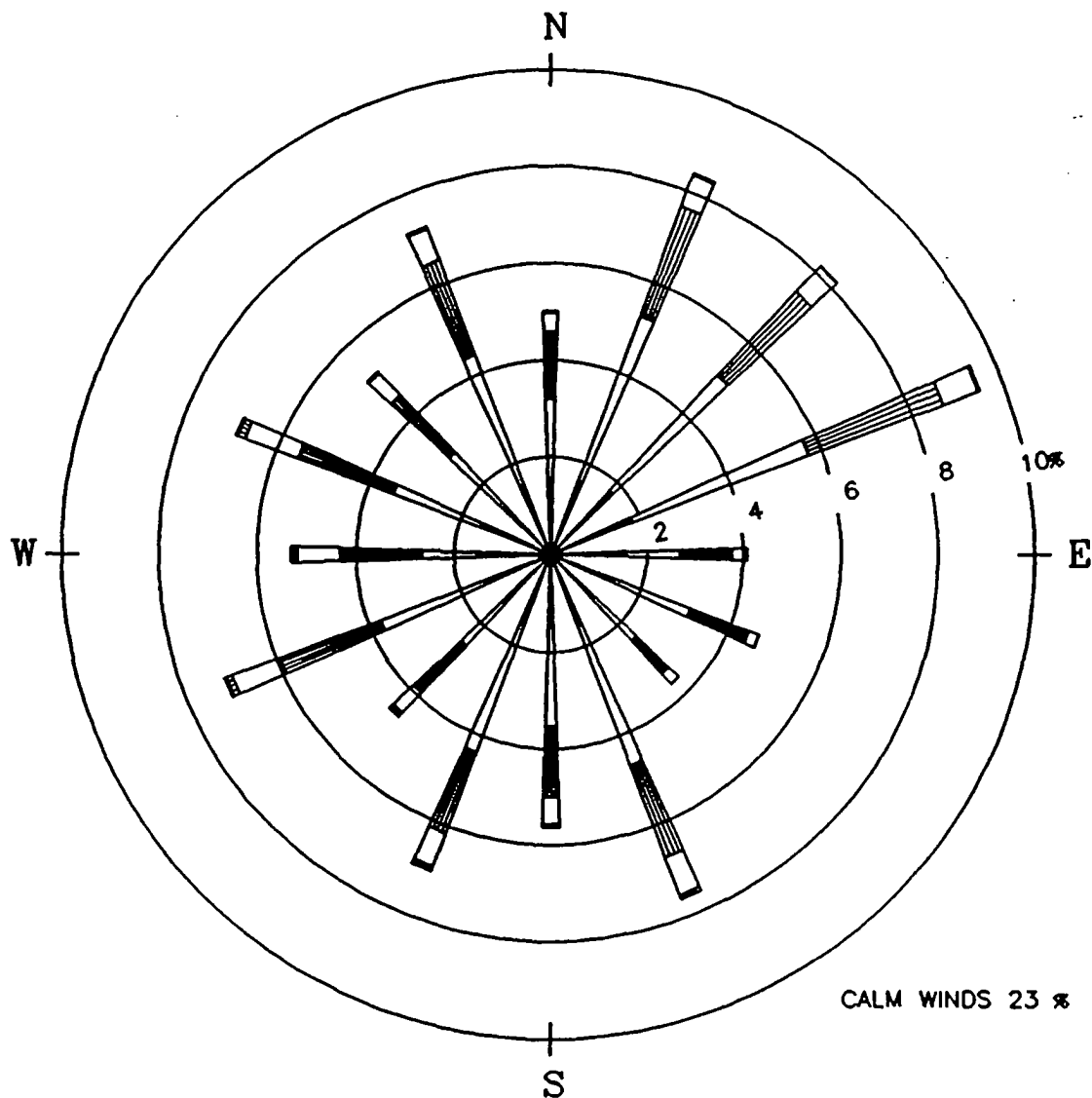
**SOURCE:** HICKS, GILL AND LONGSWORTH 1987. HYDROGEOLOGY, CHEMICAL QUALITY, AND AVAILABILITY OF GROUNDWATER IN THE UPPER FLORIDAN AQUIFER, ALBANY AREA, GEORGIA. USGS.

**NOTE:** SHADED AREAS REPRESENTS SINKHOLES

<b>Woodward-Clyde</b> <b>Consultants</b> <small>Engineering &amp; sciences applied to the earth &amp; its environment</small>				
<b>CLIENT:</b> BRIDGESTONE/FIRESTONE, INC.				
<b>PROJECT:</b> FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA				
<b>TITLE:</b> UPPER FLORIDAN AQUIFER SINKHOLES				
<small>DRAWN BY:</small> LM	<small>CHECKED BY:</small> TJT	<small>PROJECT NO:</small> 90C6116	<small>DATE:</small> 30 JAN 92	<small>FIGURE NO:</small> 3-2

6115-JT





#### WIND SPEED CLASSES

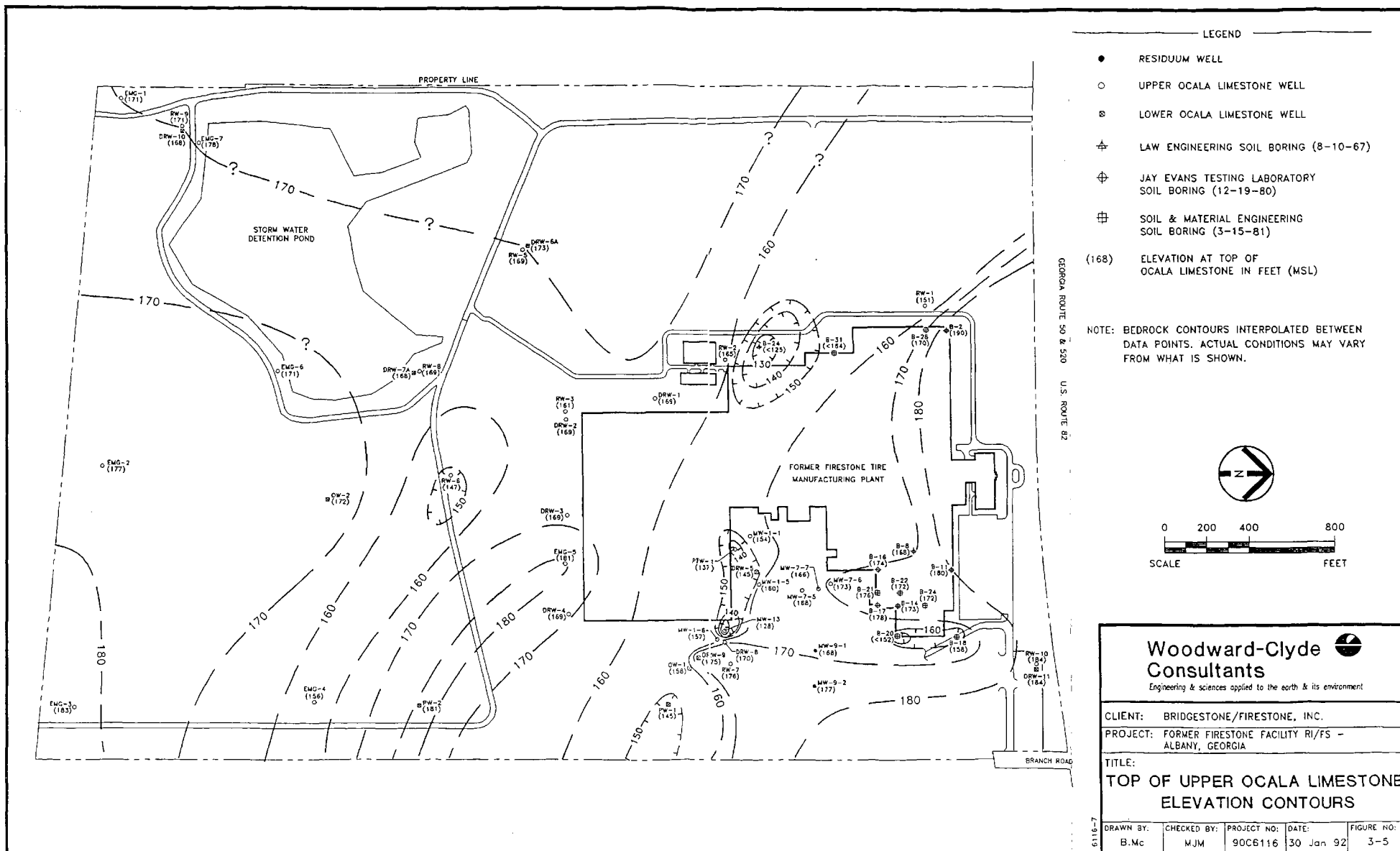
(KNOTS)

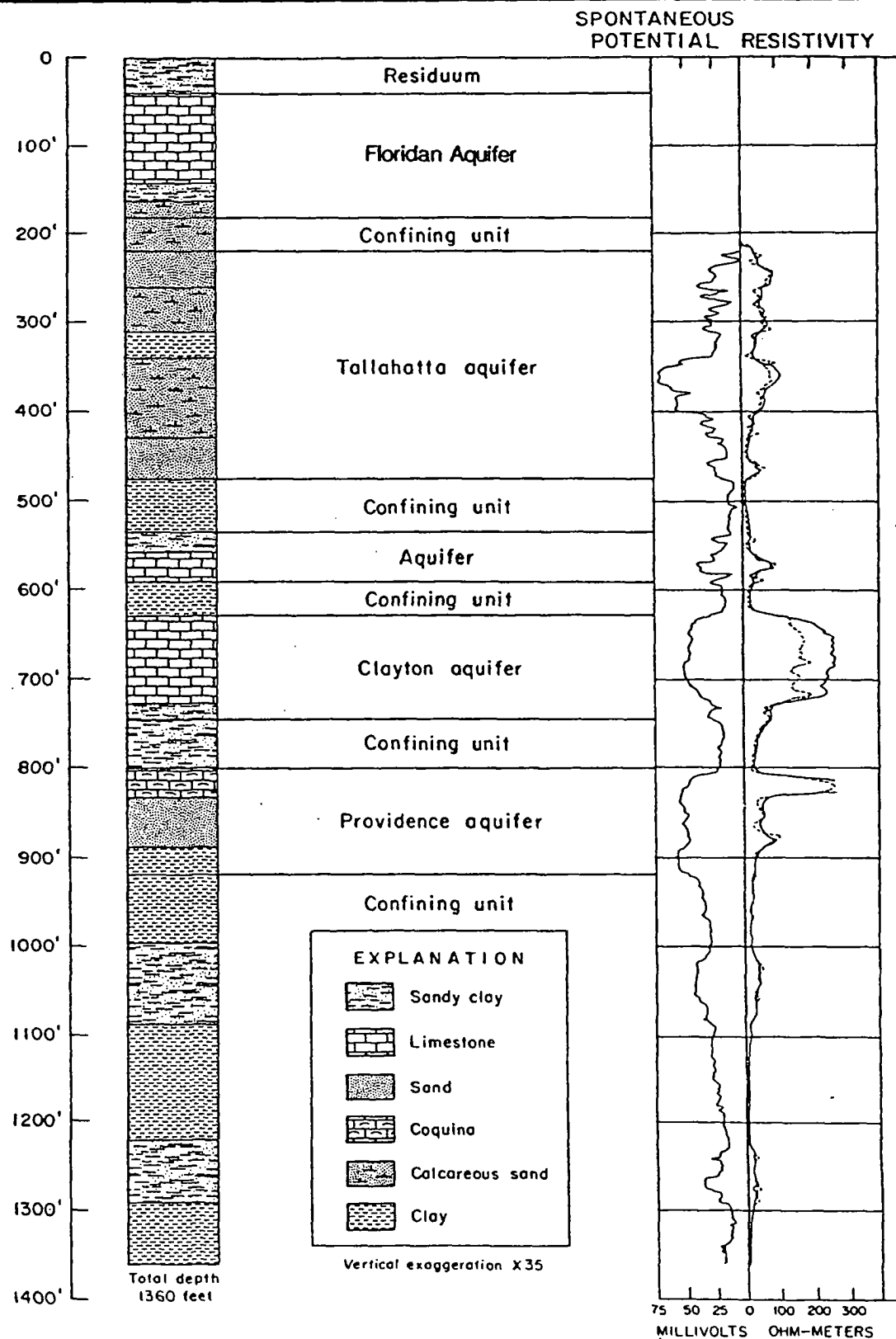
(1 KNOT = approx 1.1 mph)

#### NOTES:

DIAGRAM SHOWS THE FREQUENCY OF OCCURRENCE FOR EACH WIND DIRECTION. WIND DIRECTION IS THE DIRECTION FROM WHICH THE WIND IS BLOWING. EXAMPLE - WIND IS BLOWING FROM THE NORTH 5.0 PERCENT OF THE TIME.

FIGURE 3-4





SOURCE: GEOHYDROLOGY OF THE ALBANY  
AREA, GEORGIA: HICKS, KRAUSE, AND CLARK, 1981

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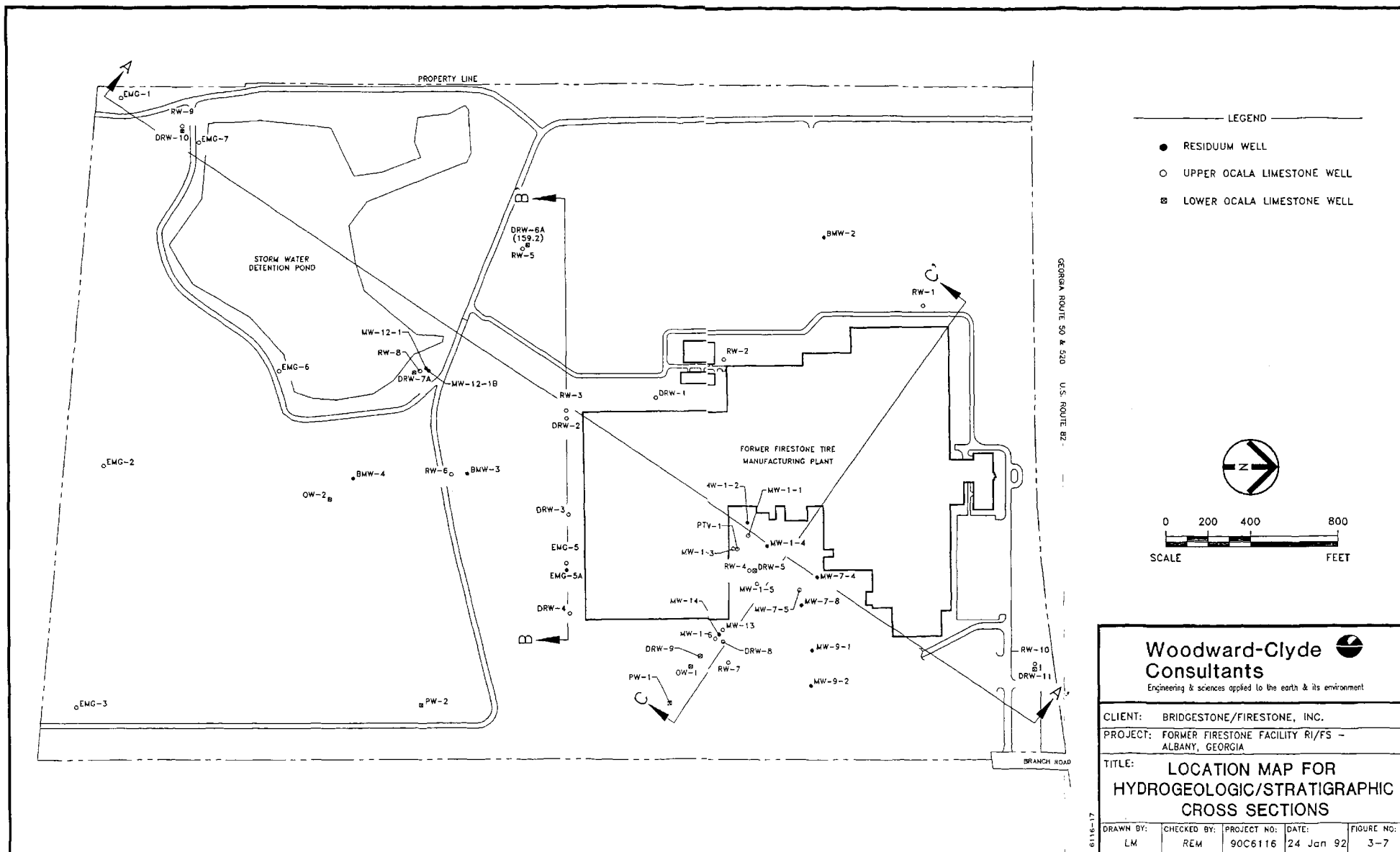
CLIENT: BRIDGESTONE/FIRESTONE, INC.

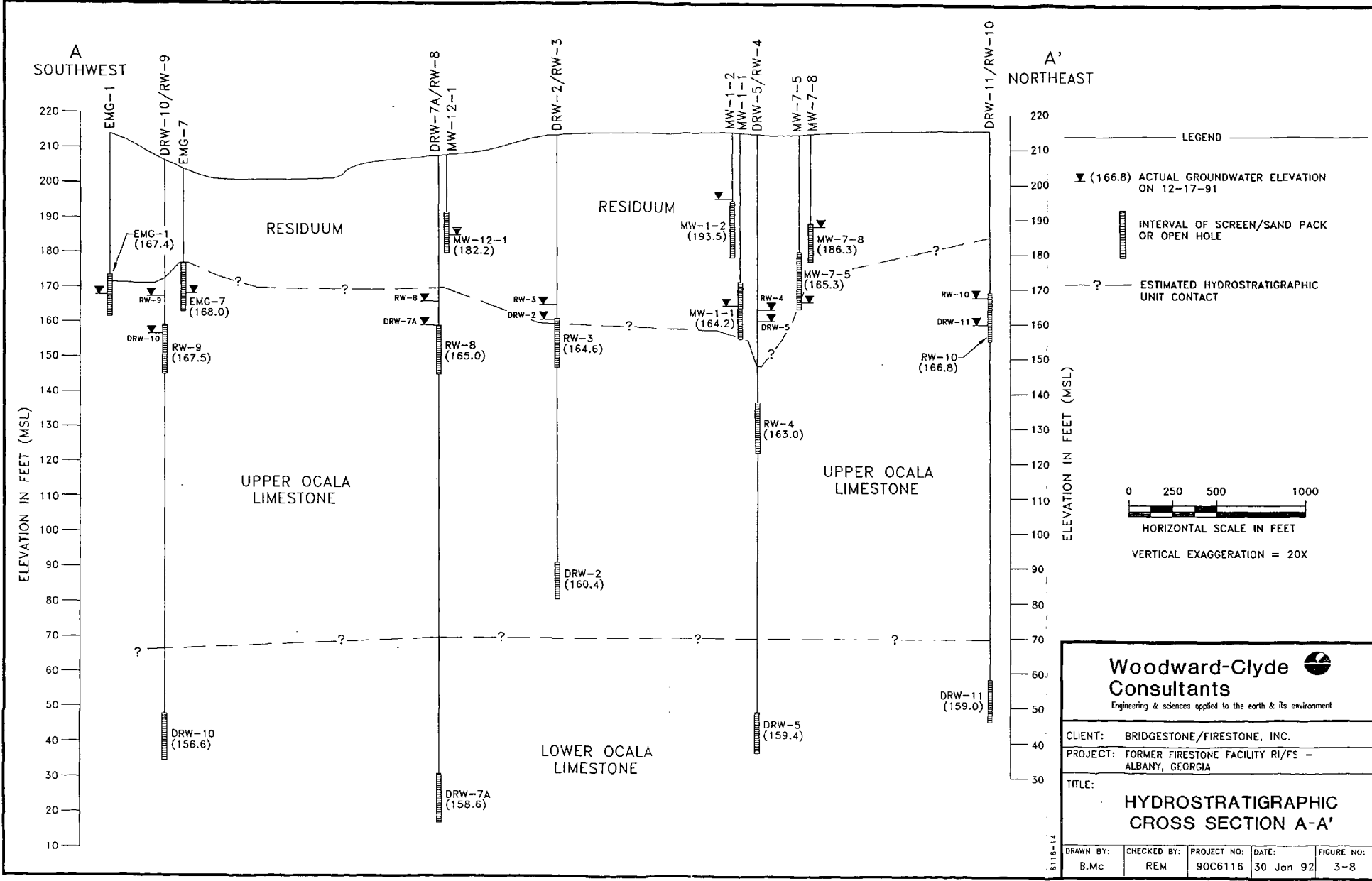
PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

TITLE:  
REGIONAL  
HYDROSTRATIGRAPHIC UNITS

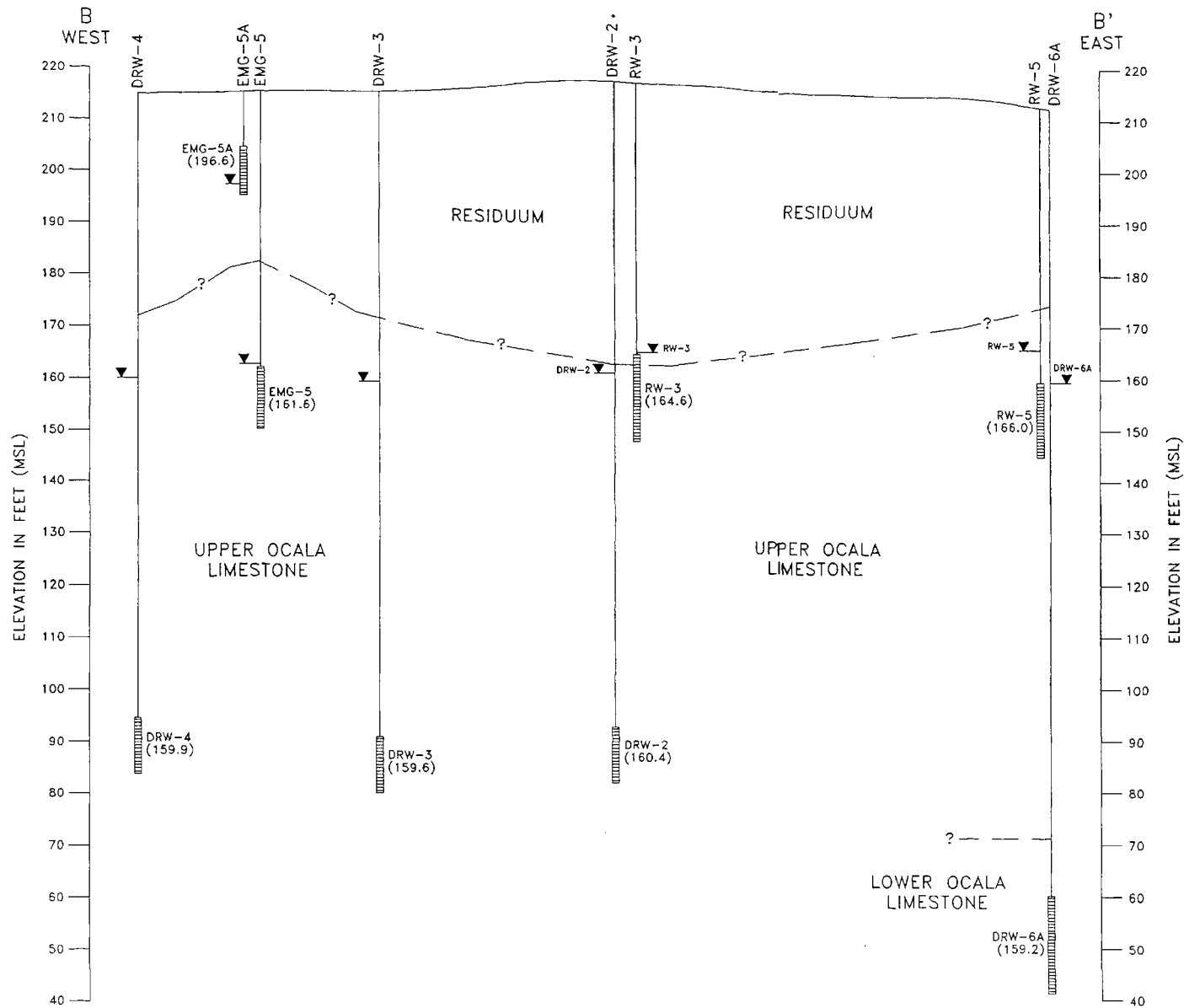
6116-TJT

DRAWN BY: LM	CHECKED BY: TJT	PROJECT NO: 90C6116	DATE: 30 JAN 92	FIGURE NO: 3-6
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CLIENT: BRIDGESTONE/FIRESTONE, INC.

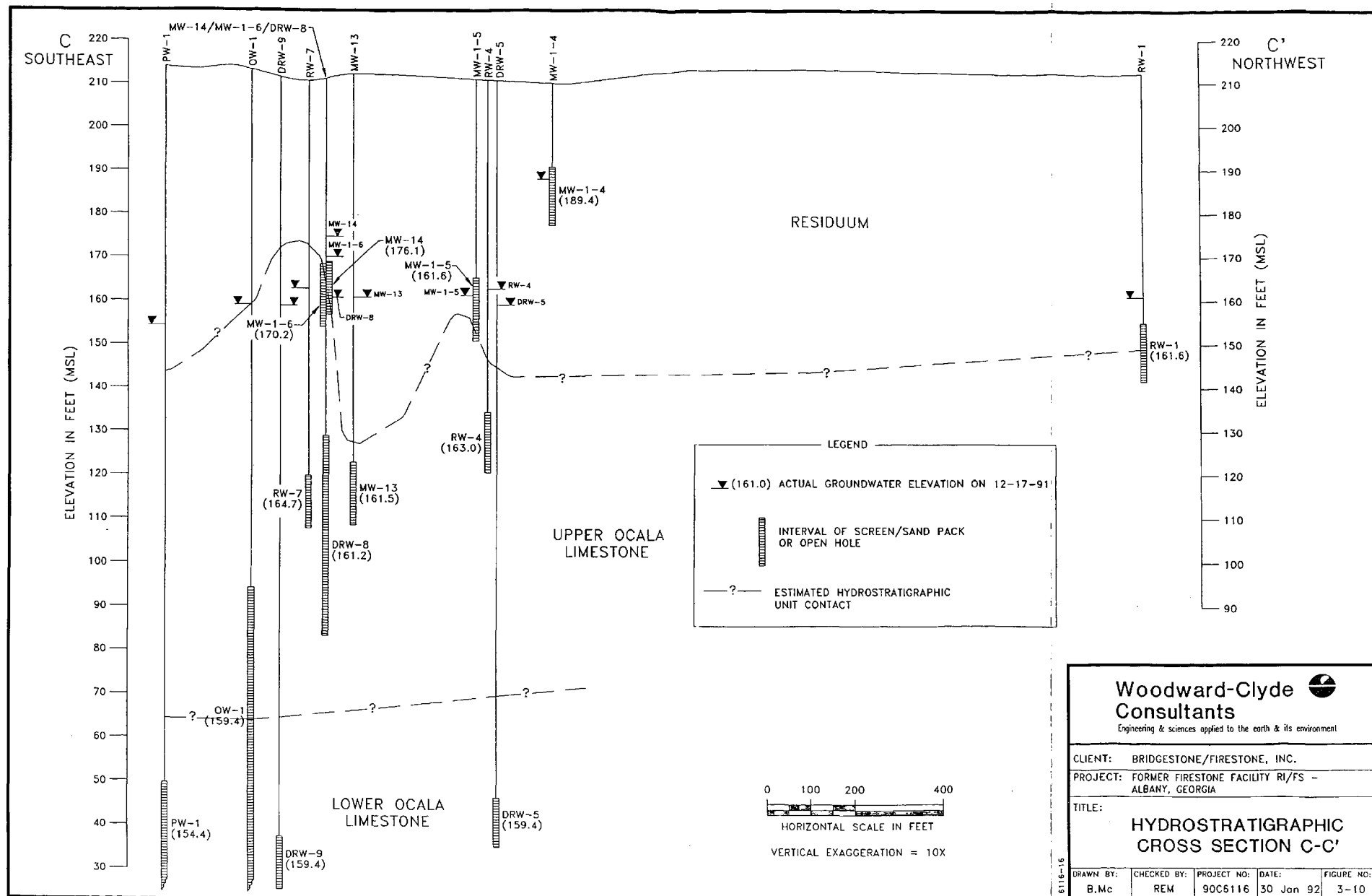
PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

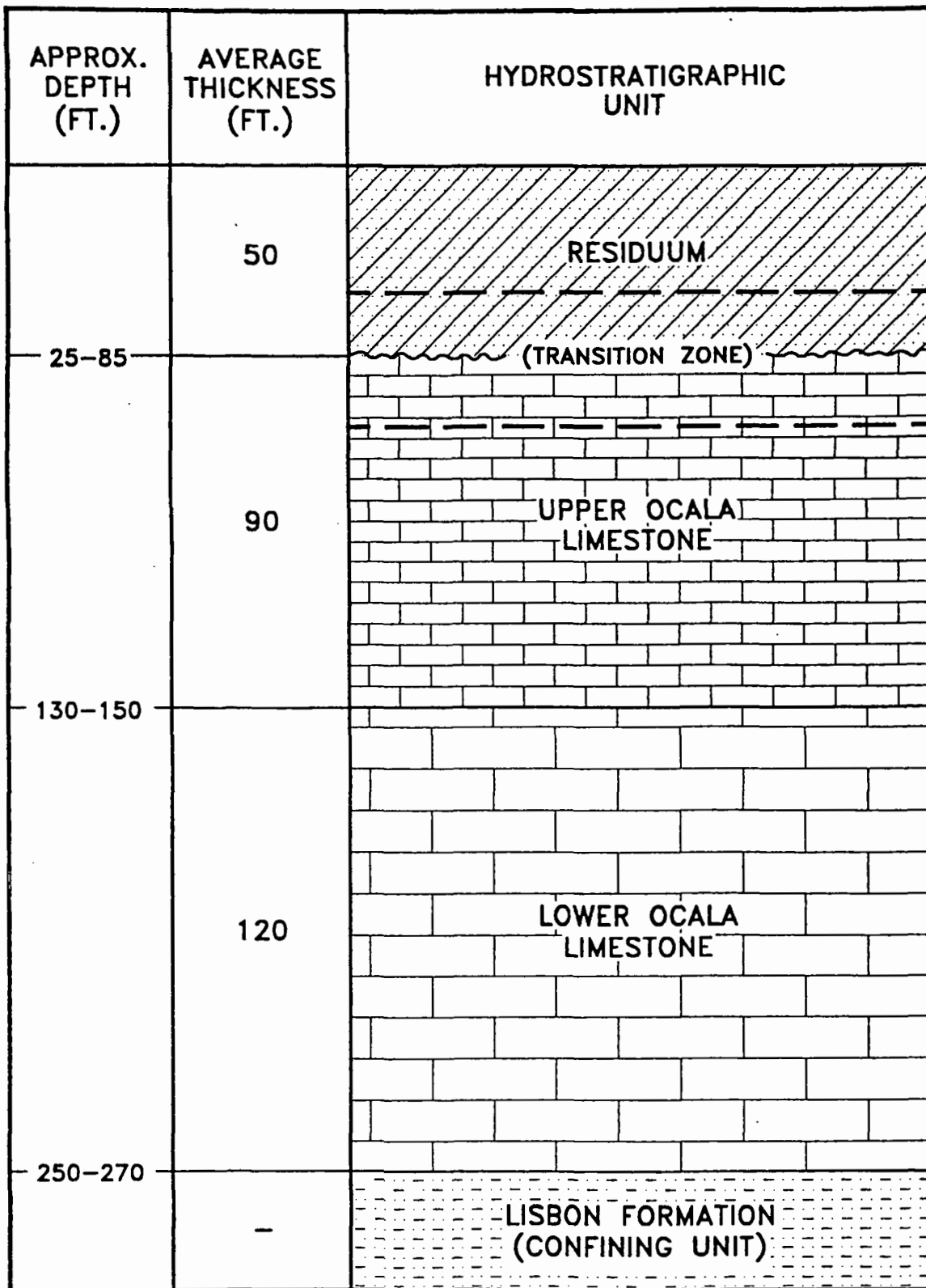
TITLE:

**HYDROSTRATIGRAPHIC  
CROSS SECTION B-B'**

DRAWN BY:	CHECKED BY:	PROJECT NO:	DATE:	FIGURE NO:
B.Mc	REM	90C6116	30 Jan 92	3-9

6116-15





**SCHEMATIC DIAGRAM - SITE SPECIFIC HYDROSTRATIGRAPHIC UNITS**  
FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA

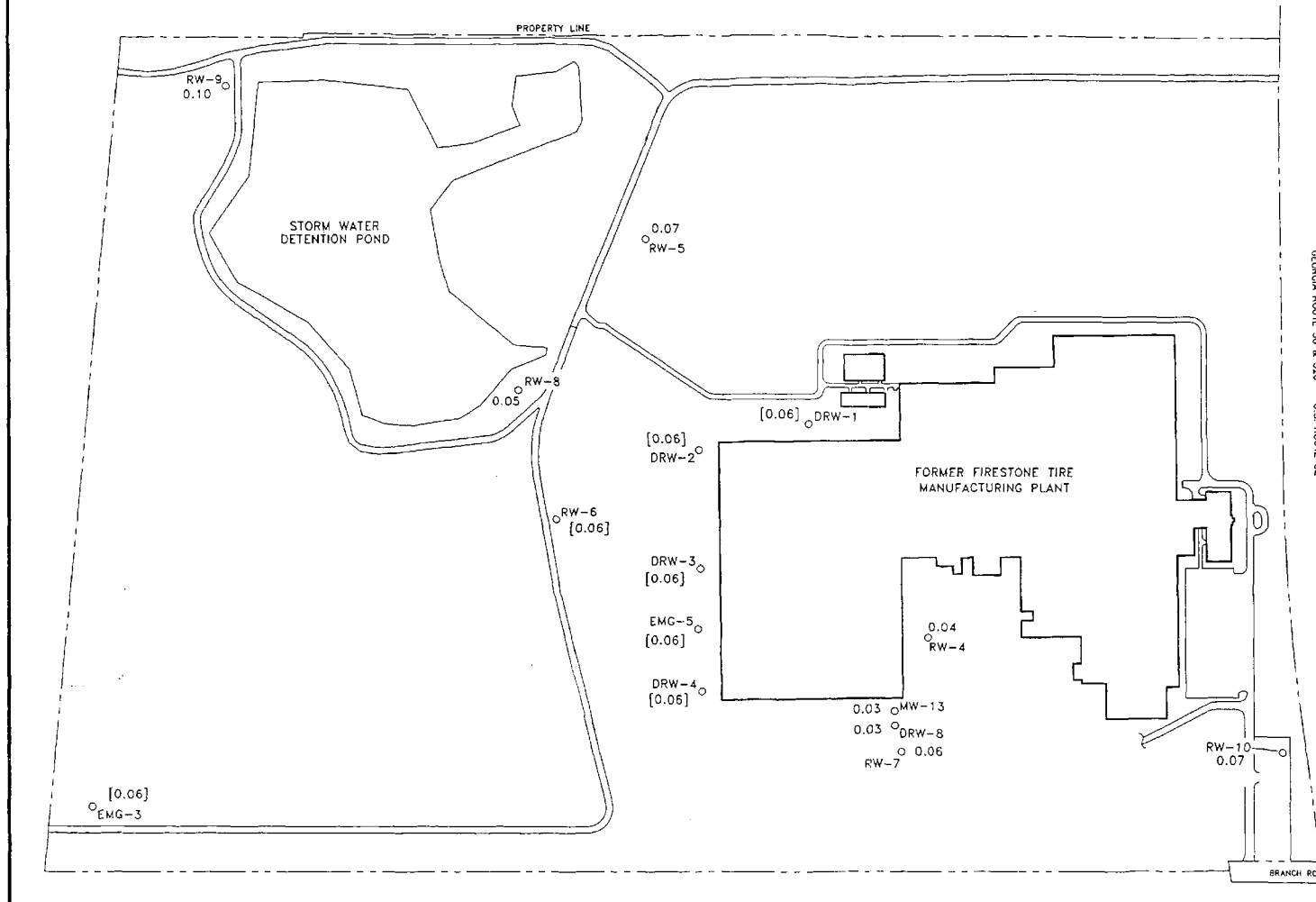
DRAWN BY: B.Mc

CHECKED BY: MJM

PROJECT NUMBER: 90C6116

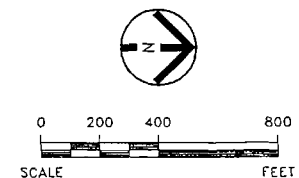
DATE: 30 JAN 92

FIGURE NO: 3-11



- LEGEND —
- UPPER OCALA LIMESTONE WELL
  - 0.04 VERTICAL HYDRAULIC GRADIENT (FT/FT)
  - [0.06] VERTICAL HYDRAULIC GRADIENT (FT/FT) BASED ON AVERAGE VALUES OBTAINED FROM TABLE 3-4.

GEORGIA ROUTE 50 & 320  
U.S. ROUTE 82



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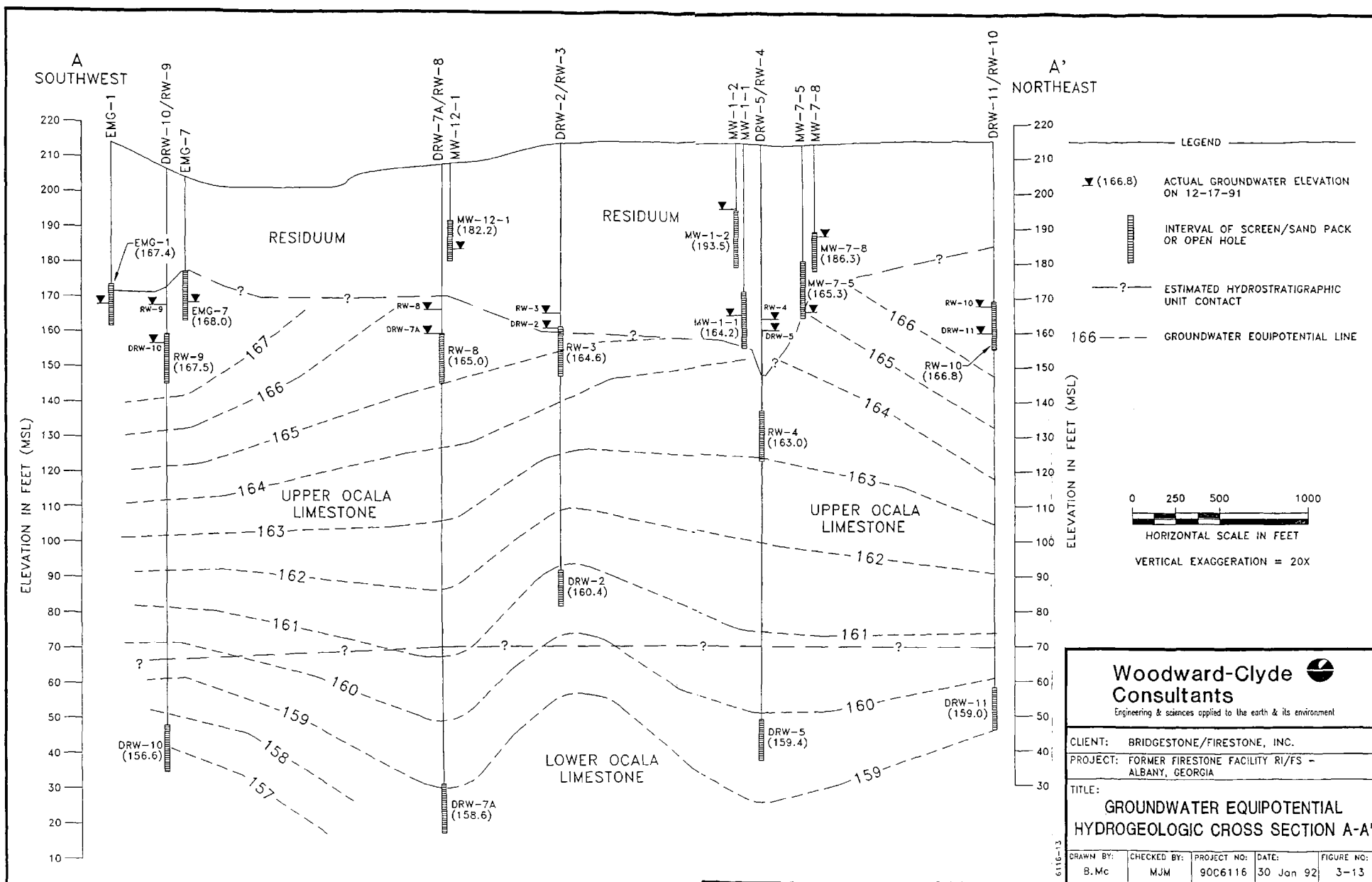
CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

TITLE:  
**VERTICAL HYDRAULIC GRADIENTS  
IN UPPER OCALA LIMESTONE  
DECEMBER 17 1991**

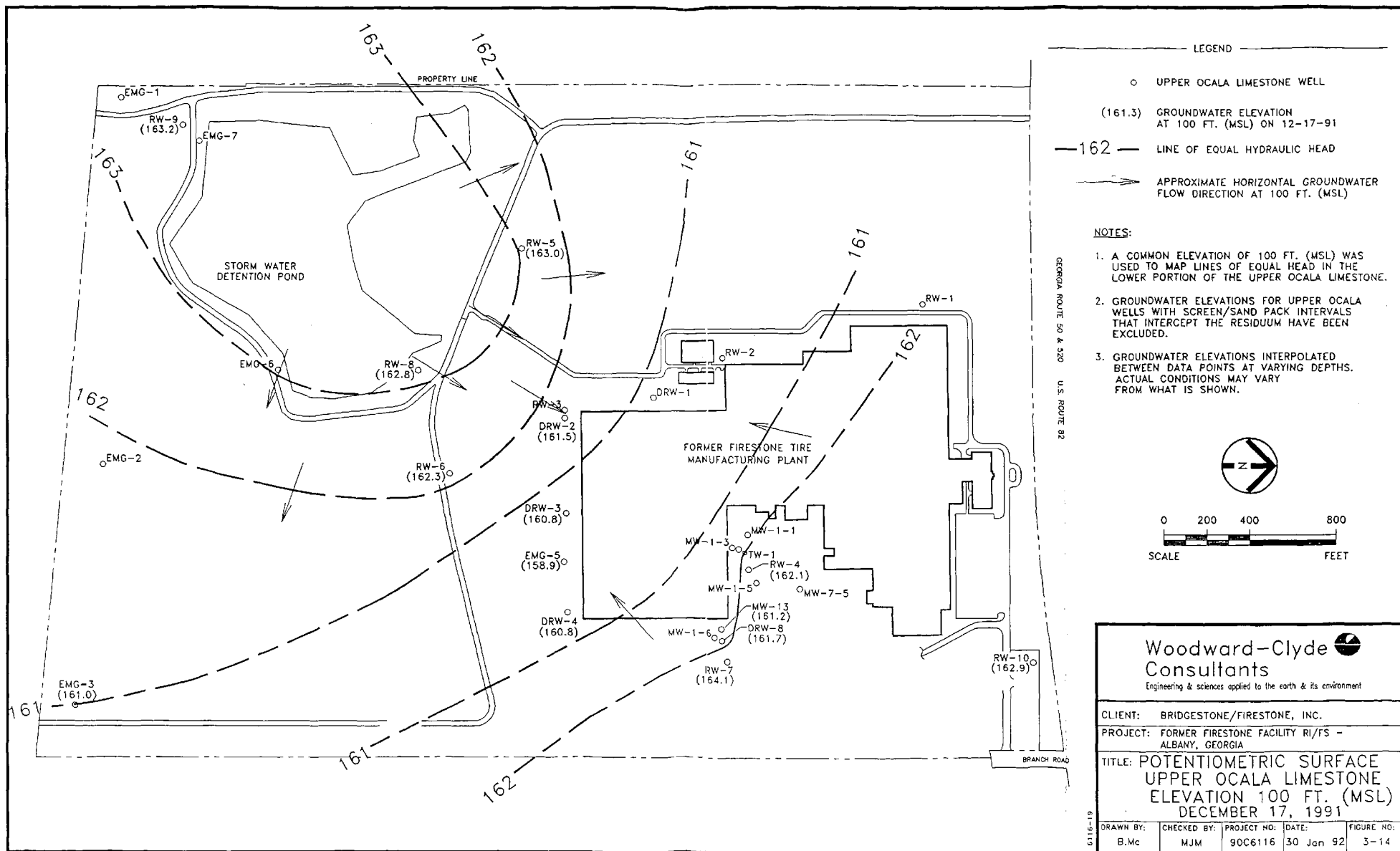
DRAWN BY:	CHECKED BY:	PROJECT NO:	DATE:	FIGURE NO:
LO	TG, TJT	90C6116	30 Jan 92	3-12

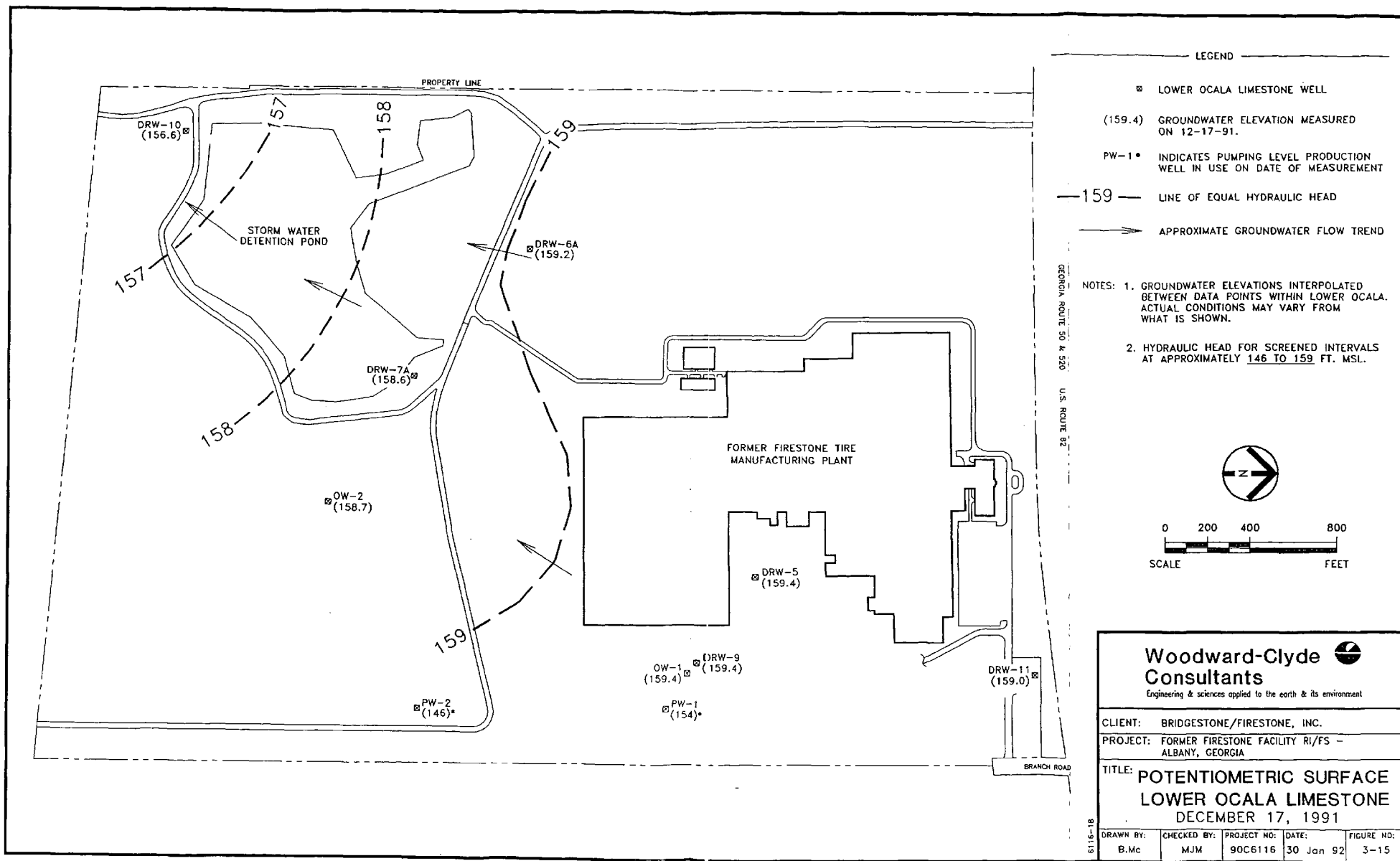
6116-2A

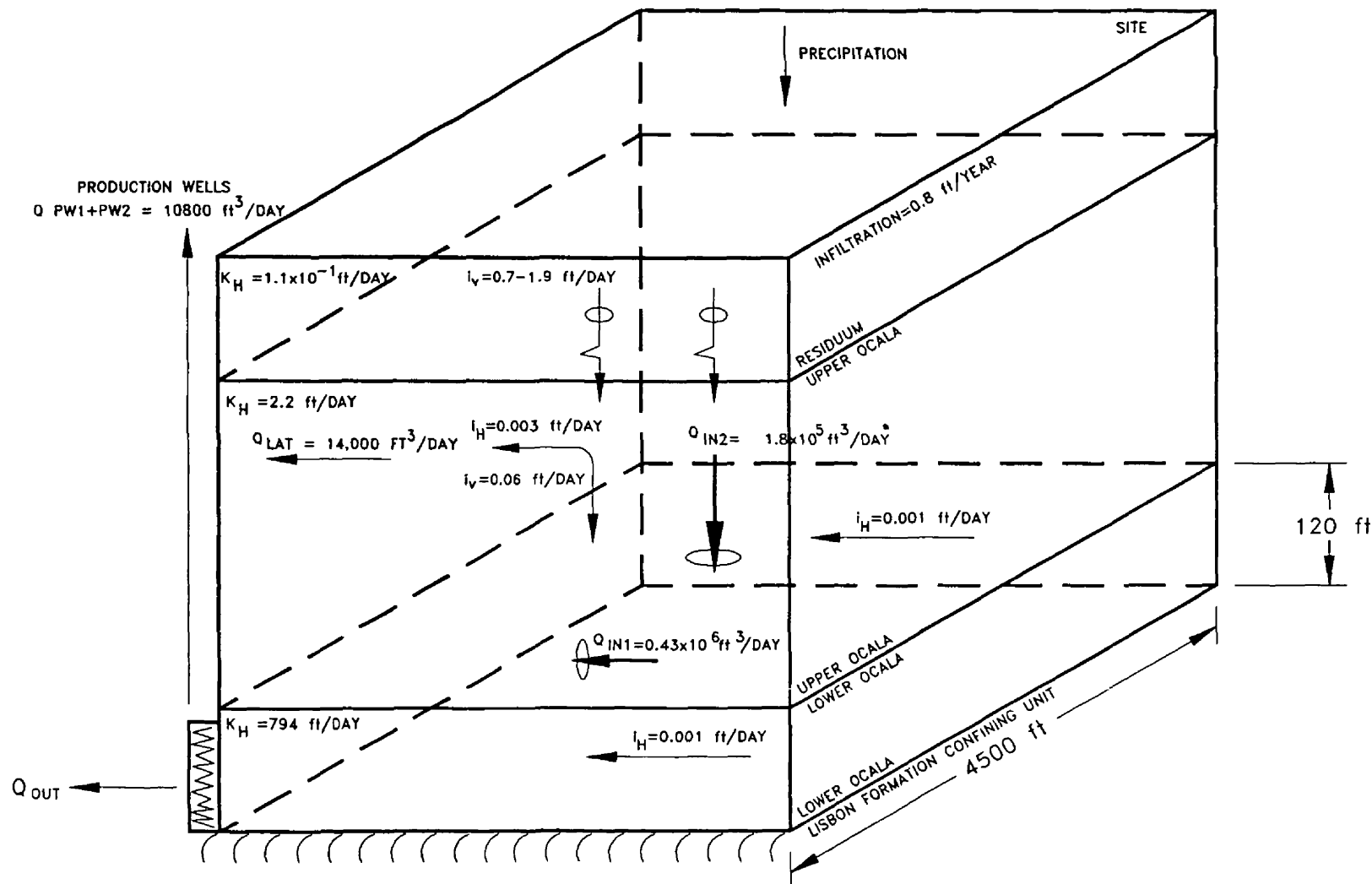


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CLIENT: BRIDGESTONE/FIRESTONE, INC.				
PROJECT: FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA				
TITLE: GROUNDWATER EQUIPOTENTIAL HYDROGEOLOGIC CROSS SECTION A-A'				
DRAWN BY: B. Mc	CHECKED BY: MJM	PROJECT NO: 90C6116	DATE: 30 Jan 92	FIGURE NO: 3-13







FLOW INTO LOWER OCALA FORMATION OF THE SITE FROM REGIONAL FLOW

$$Q_{IN1} = (A)(K)(i) = (4500)(120)(794)(0.001) = 0.43 \times 10^6 \text{ ft}^3/\text{DAY}$$

FLOW INTO LOWER OCALA FORMATION OF THE SITE FROM LEAKAGE:

$$Q_{IN2} = (A)(K)(i) = (320 \text{ ACQES})(43560 \text{ ft}^2/\text{ACQE})(0.22)(0.06) = 1.8 \times 10^5 \text{ ft}^3/\text{DAY}$$

\* An estimated value of vertical hydraulic conductivity of 0.22 ft/day was assumed for these calculations



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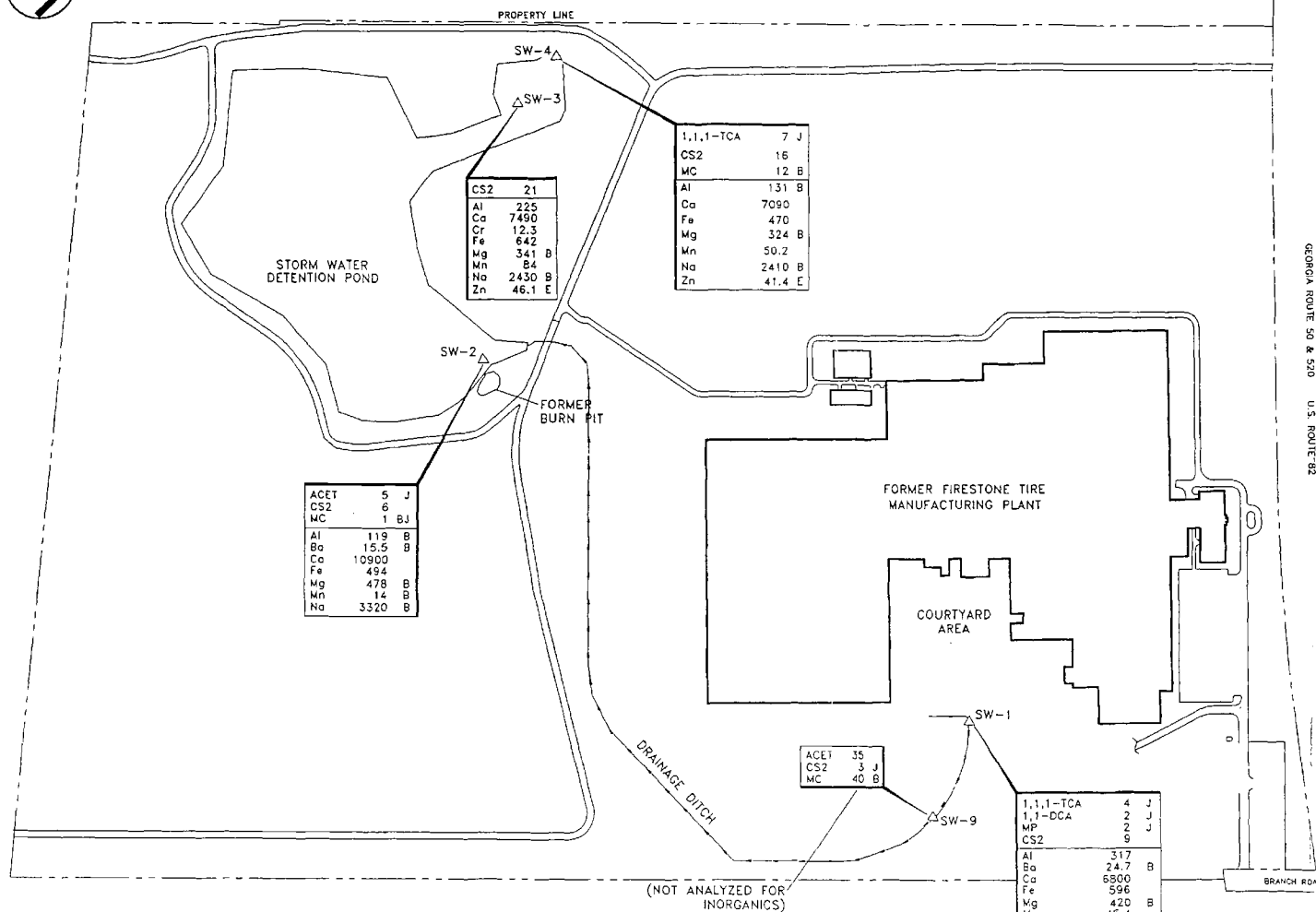
# RECHARGE-DISCHARGE RELATIONSHIPS AT FIRESTONE SITE

DESIGN: C.A.	CHK'D: J.P.H.	PROJECT NO.	FIG. NO.
DRAWN:	DATE: 1-27-92	90C6116-343	3-16

ACAD C:\90C6116\3-16.DWG  
SCALE 1"=1'







0 200 400 800  
SCALE FEET

#### LEGEND

- △ SURFACE WATER SAMPLING LOCATION  
46.1 ANALYTICAL RESULTS REPORTED IN ug/l

#### CHEMICALS OF INTEREST

##### ORGANICS

- 1,1,1-TCA 1,1,1-TRICHLOROETHANE  
1,1-DCA 1,1-DICHLOROETHANE  
MP 4-METHYL-2-PENTANONE  
ACET ACETONE  
CS2 CARBON DISULFIDE  
MC METHYLENE CHLORIDE

J = THE VALUE IS AN ESTIMATED CONCENTRATION, OFTEN APPLIED WHEN THE CHEMICAL IS DETECTED BETWEEN THE CONTRACT-REQUIRED DETECTION LIMIT (CDRL) AND THE INSTRUMENT DETECTION LIMIT (IDL)

B = THE CHEMICAL WAS DETECTED IN AN ASSOCIATED BLANK SAMPLE.

##### INORGANICS

- Al ALUMINUM  
Ba BARIUM  
Ca CALCIUM  
Cr CHROMIUM  
Fe IRON  
Mg MAGNESIUM  
Mn MANGANESE  
K POTASSIUM  
Na SODIUM  
Zn ZINC

B = THE VALUE IS AN ESTIMATED CONCENTRATION, VALUES OCCURRED AT CONCENTRATIONS BELOW THE CONTRACT-REQUIRED DETECTION LIMIT (CDRL) BUT GREATER THAN THE INSTRUMENT DETECTION LIMIT (IDL)

N = THE VALUE IS AN ESTIMATED CONCENTRATION, THE SPIKE SAMPLE RECOVERY WAS NOT WITHIN CONTROL LIMITS

E = THE VALUE IS AN ESTIMATED CONCENTRATION, MATRIX INTERFERENCES HAVE OCCURRED

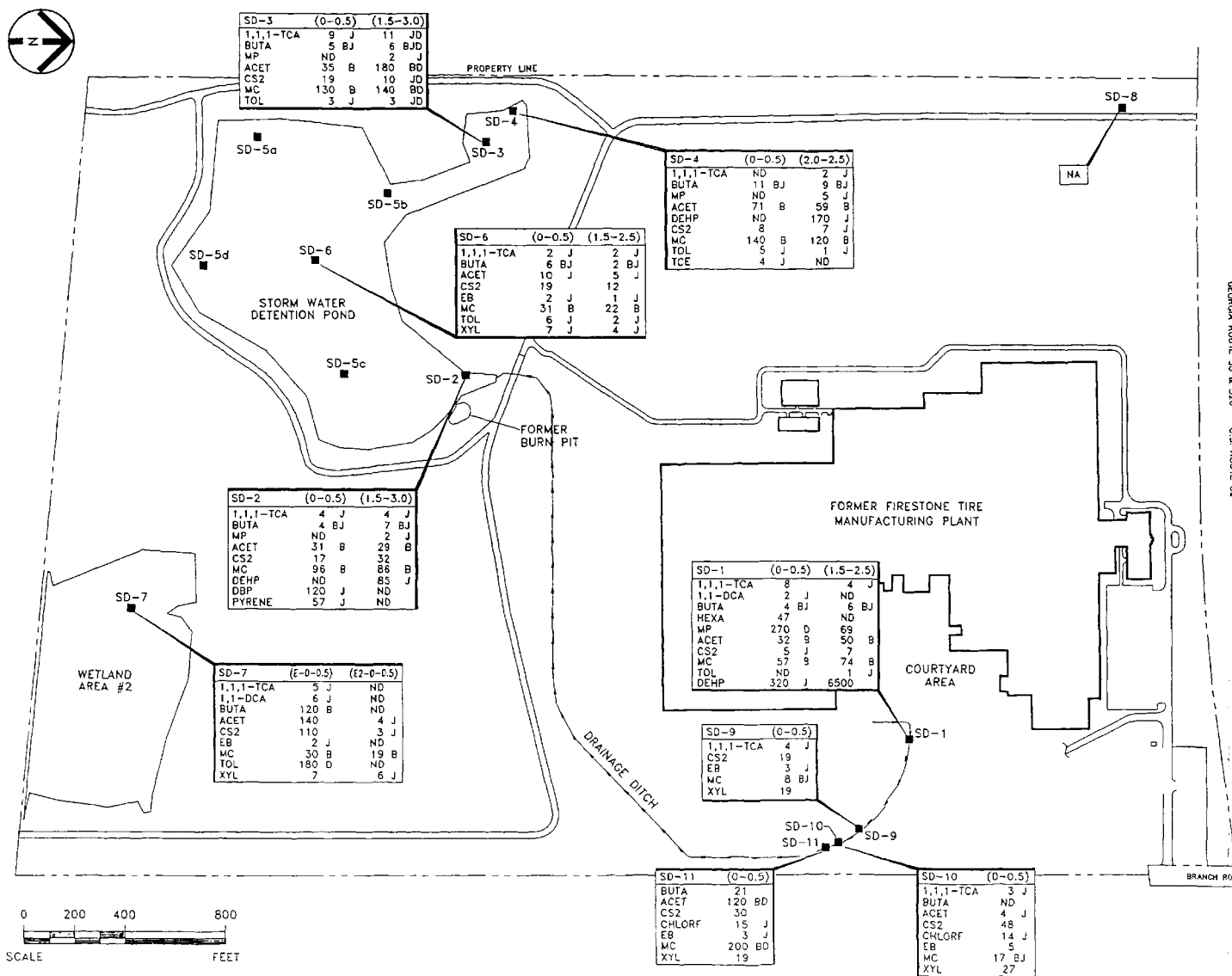
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CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALEANY, GEORGIA

TITLE: ORGANIC/INORGANIC  
CHEMICALS OF INTEREST  
IN SURFACE WATER

DRAWN BY: LO CHECKED BY: FO, TJT PROJECT NO: 90C6116 DATE: 30 Jan 92 FIGURE NO: 4-1



LEGEND

■ SEDIMENT SAMPLING LOCATION

12 ANALYTICAL RESULTS REPORTED IN ug/kg

ND CHEMICALS OF INTEREST WERE NOT DETECTED

NA SAMPLING LOCATION NOT ANALYZED FOR ORGANIC CHEMICALS

NOTE: LOCATIONS SD-5 AND SD-8 NOT ANALYZED FOR ORGANIC COMPOUNDS

CHEMICALS OF INTEREST

1,1,1-TCA	1,1,1-TRICHLOROETHANE
1,1-DCA	1,1-DICHLOROETHANE
1,2-DCA	1,2-DICHLOROETHANE
BUTA	2-BUTANONE
HEXA	2-HEXANONE
MP	4-METHYL-2-PENTANONE
ACET	ACETONE
CS2	CARBON DISULFIDE
CHLORF	CHLOROFORM
EB	ETHYLBENZENE
MC	METHYLENE CHLORIDE
TOL	TOLUENE
TCE	TRICHLOROETHENE
XYL	XYLENES (TOTAL)
DEHP	DI(2-ETHYLHEXYL)PHTHALATE
DBP	DI-N-BUTYLPHTHALATE
	PYRENE

J = THE VALUE IS AN ESTIMATED CONCENTRATION, OFTEN APPLIED WHEN THE CHEMICAL IS DETECTED BETWEEN THE CONTRACT-REQUIRED DETECTION LIMIT (CDRL) AND THE INSTRUMENT DETECTION LIMIT (IDL)

D = ANALYSES OF THE SAMPLE WAS BASED UPON A SECONDARY DILUTION OF THE SAMPLE

B = THE CHEMICAL WAS DETECTED IN AN ASSOCIATED BLANK SAMPLE.

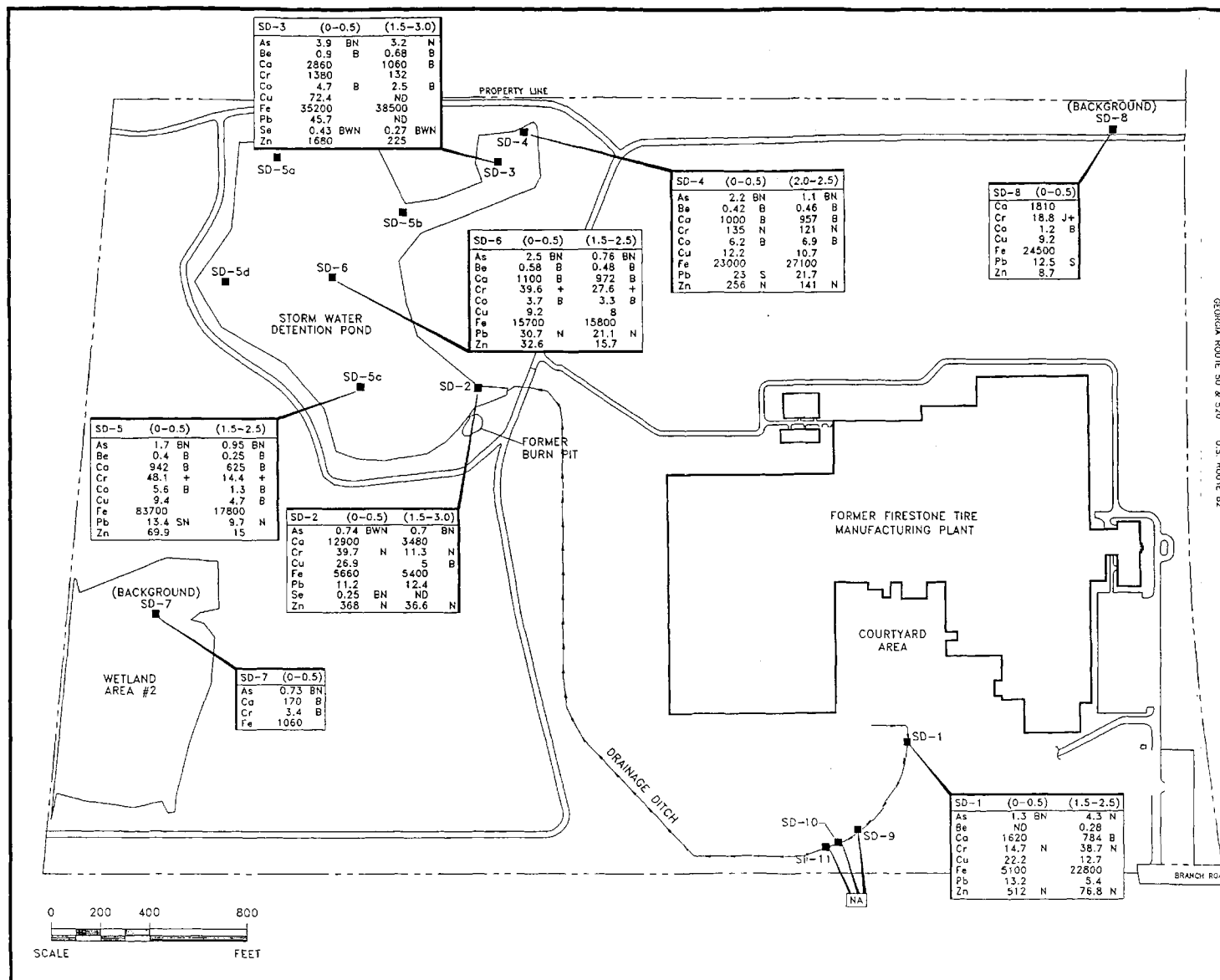
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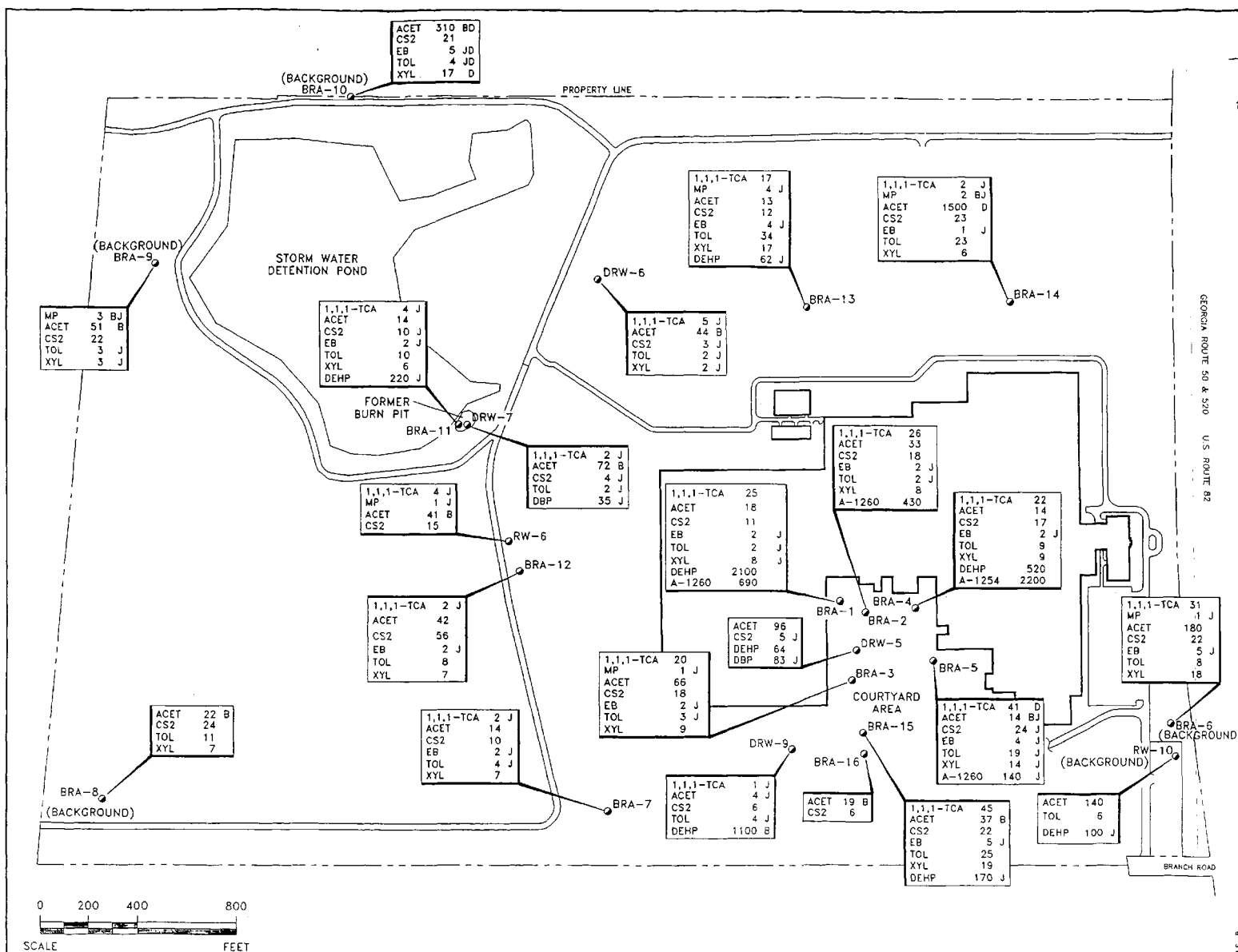
CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY R1/FS - ALBANY, GEORGIA

TITLE:  
ORGANIC CHEMICALS OF INTEREST  
IN SEDIMENT

DRAWN BY: LO  
CHECKED BY: FO, TJT  
PROJECT NO: 90CG116  
DATE: 30 Jan 92  
FIGURE NO: 4-2





● SURFACE SOIL SAMPLE  
10 ANALYTICAL RESULTS REPORTED IN ug/kg

CHEMICALS OF INTEREST

1,1,1-TCA 1,1,1-TRICHLOROETHANE  
MP 4-METHYL-2-PENTANONE  
ACET ACETONE  
CS2 CARBON DISULFIDE  
EB ETHYLBENZENE  
TOL TOLUENE  
XYL XYLENES (TOTAL)  
DEHP DI(2-ETHYLHEXYL)PHTHALATE  
(a.k.a. BIS(2-ETHYLHEXYL)PHTHALATE)  
DBP DI-N-BUTYLPHTHALATE  
A-1254 AROCLOR-1254  
A-1260 AROCLOR-1260

J = THE VALUE IS AN ESTIMATED CONCENTRATION,  
OFTEN APPLIED WHEN THE CHEMICAL IS DETECTED  
BETWEEN THE CONTRACT-REQUIRED DETECTION LIMIT (CDRL)  
AND THE INSTRUMENT DETECTION LIMIT (IDL)

D = ANALYSES OF THE SAMPLE WAS BASED UPON  
A SECONDARY DILUTION OF THE SAMPLE

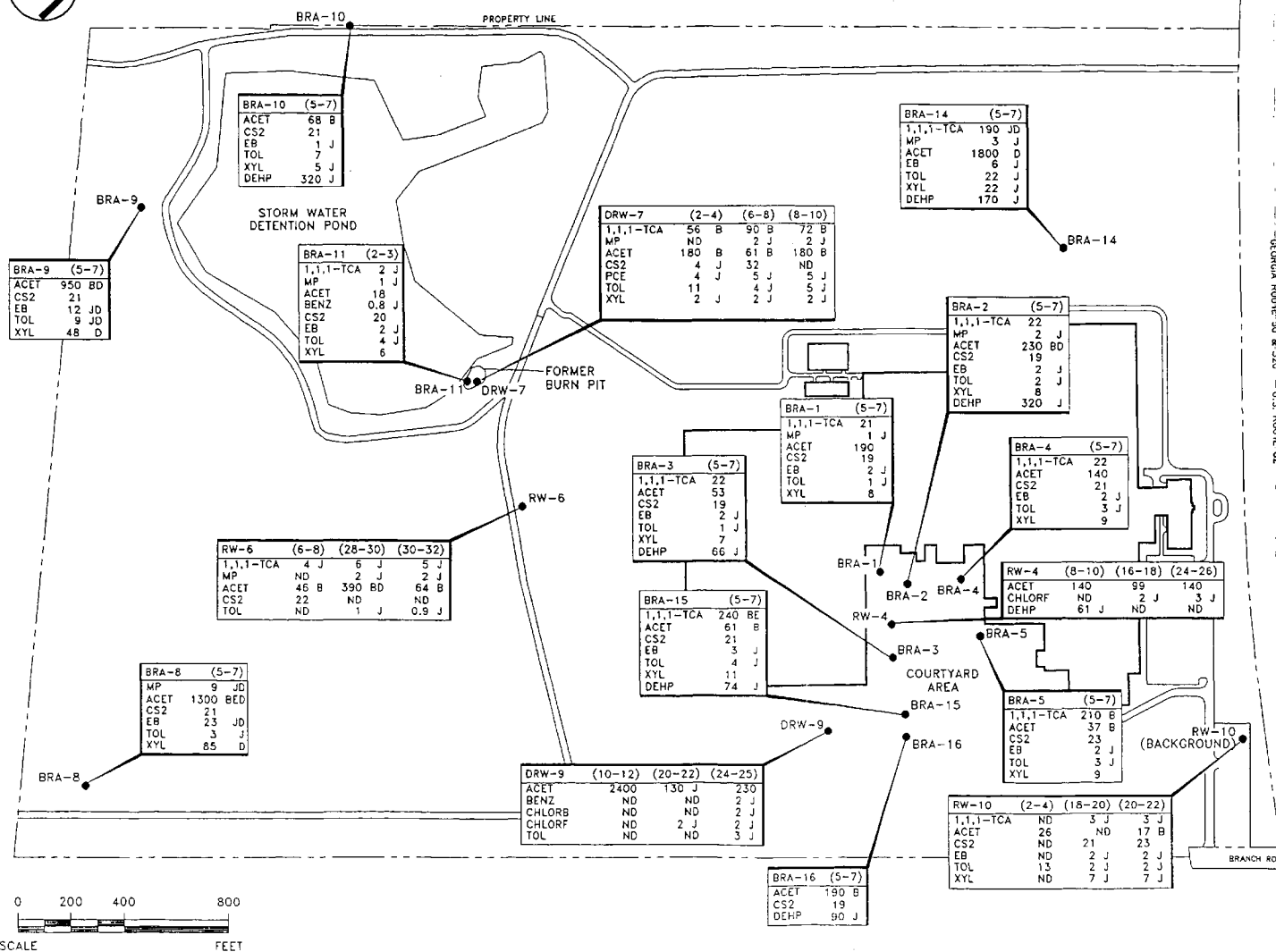
B = THE CHEMICAL WAS DETECTED IN AN ASSOCIATED  
BLANK SAMPLE.

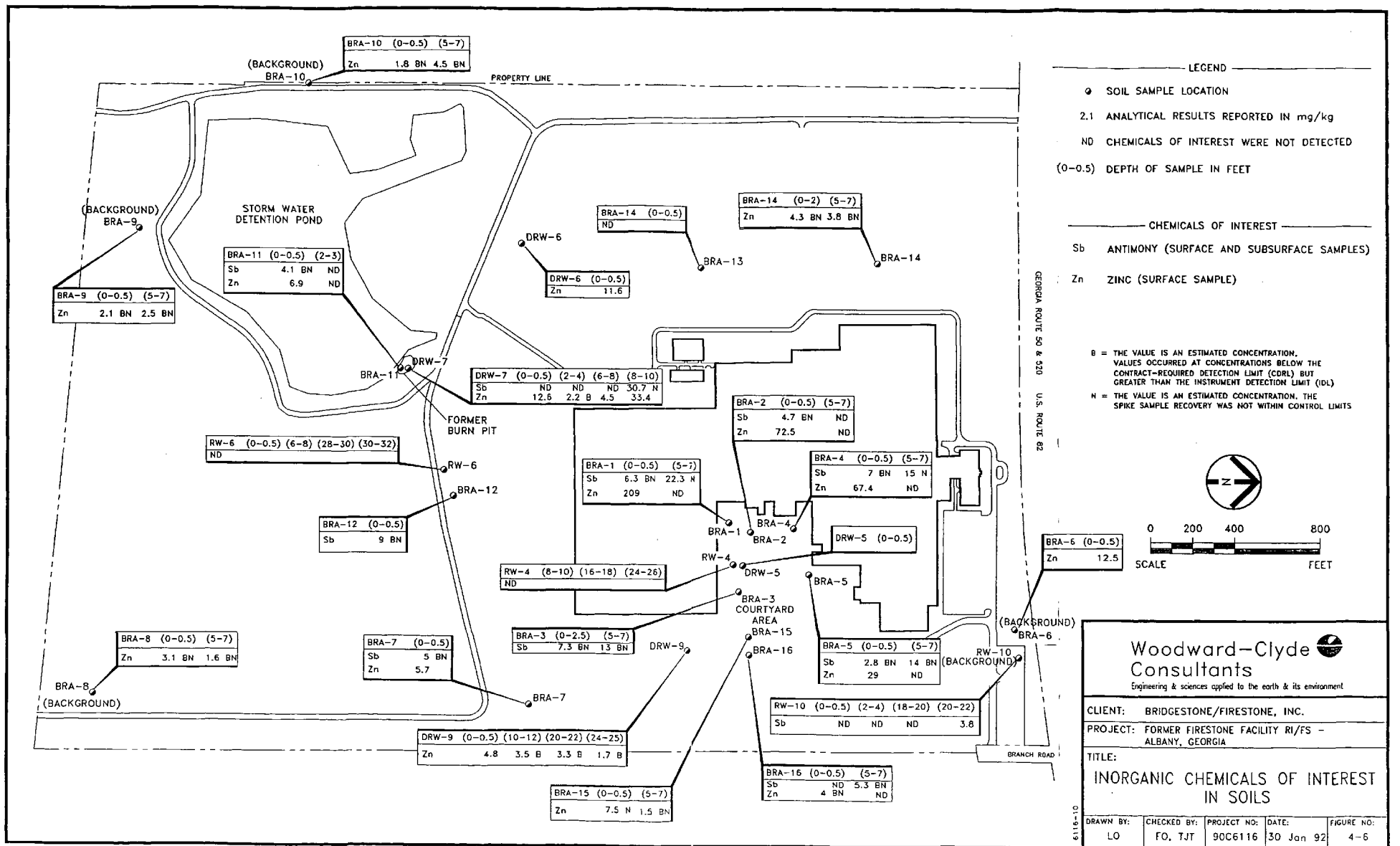
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CLIENT: BRIDGESTONE/FIRESTONE, INC.  
PROJECT: FORMER FIRESTONE FACILITY RI/FS -  
ALBANY, GEORGIA

TITLE:  
ORGANIC CHEMICALS OF INTEREST  
IN SURFACE SOILS

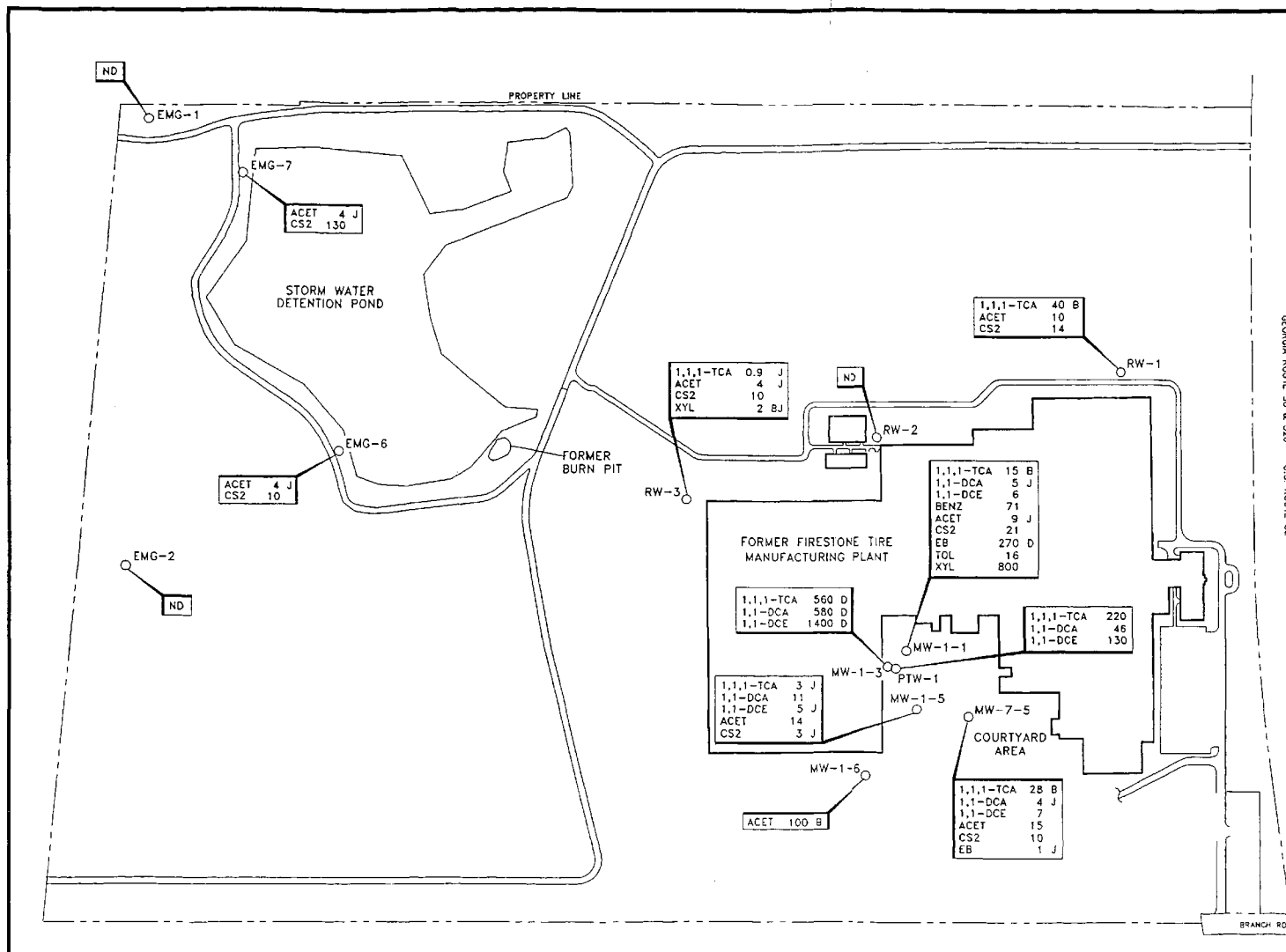
DRAWN BY: LO  
CHECKED BY: FO, TJT  
PROJECT NO: 90C6116  
DATE: 30 Jan 92  
FIGURE NO: 4-4











**LEGEND**

○ UPPER OCALA LIMESTONE WELL (SCREEN/SAND PACK IN RESIDUUM/UPPER OCALA)

11 ANALYTICAL RESULTS REPORTED IN ug/l

ND CHEMICALS OF INTEREST WERE NOT DETECTED

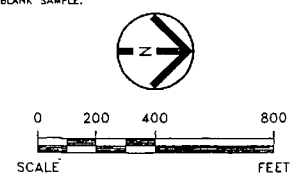
**CHEMICALS OF INTEREST**

1,1,1-TCA	1,1,1-TRICHLOROETHANE
1,1-DCA	1,1-DICHLOROETHANE
1,1-DCE	1,1-DICHLOROETHYLENE
ACET	ACETONE
BENZ	BENZENE
CS2	CARBON DISULFIDE
EB	ETHYLBENZENE
TOL	TOLUENE
XYL	XYLENES (TOTAL)

J = THE VALUE IS AN ESTIMATED CONCENTRATION, OFTEN APPLIED WHEN THE CHEMICAL IS DETECTED BETWEEN THE CONTRACT-REQUIRED DETECTION LIMIT (CDRL) AND THE INSTRUMENT DETECTION LIMIT (IDL)

D = ANALYSES OF THE SAMPLE WAS BASED UPON A SECONDARY DILUTION OF THE SAMPLE

B = THE CHEMICAL WAS DETECTED IN AN ASSOCIATED BLANK SAMPLE.



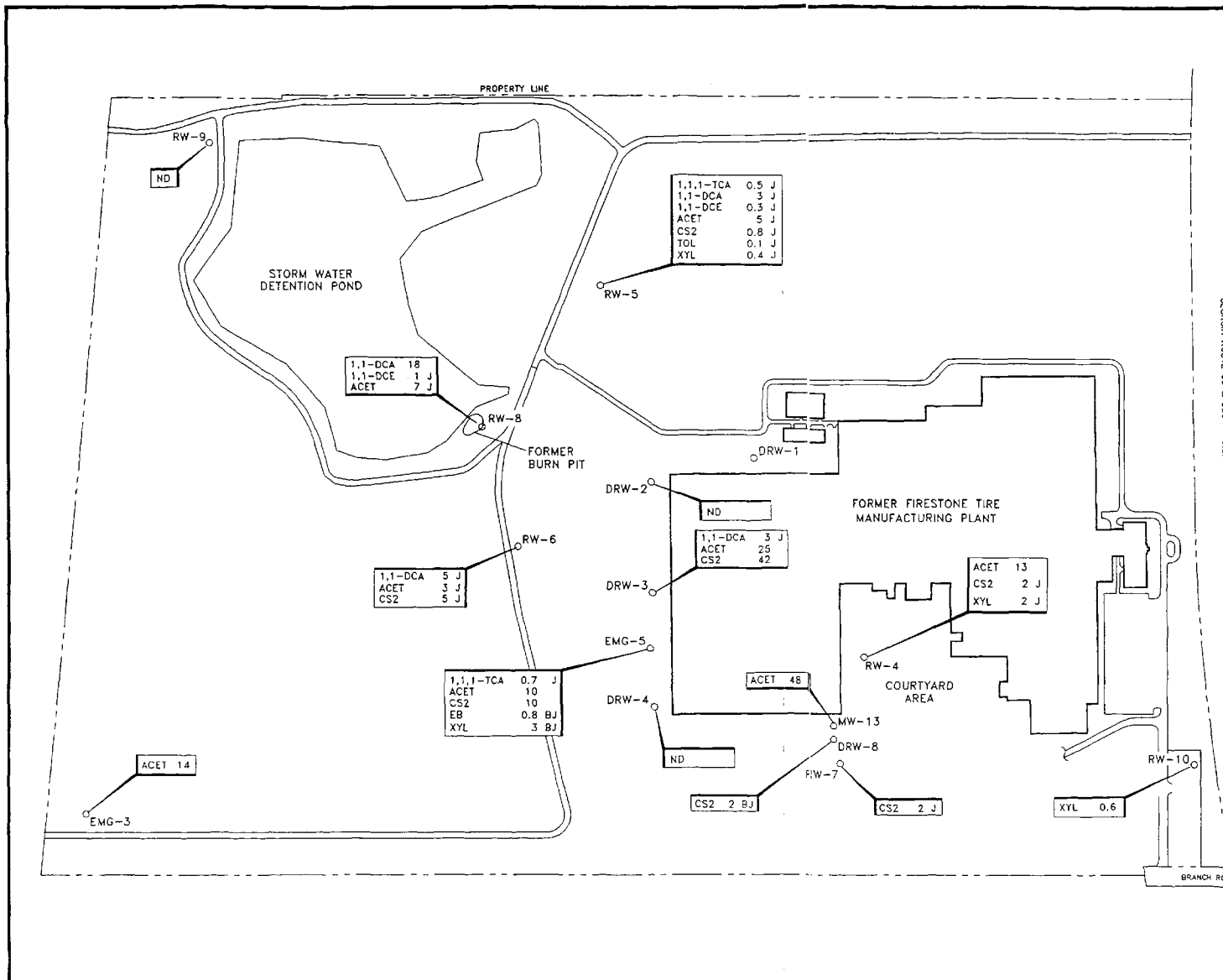
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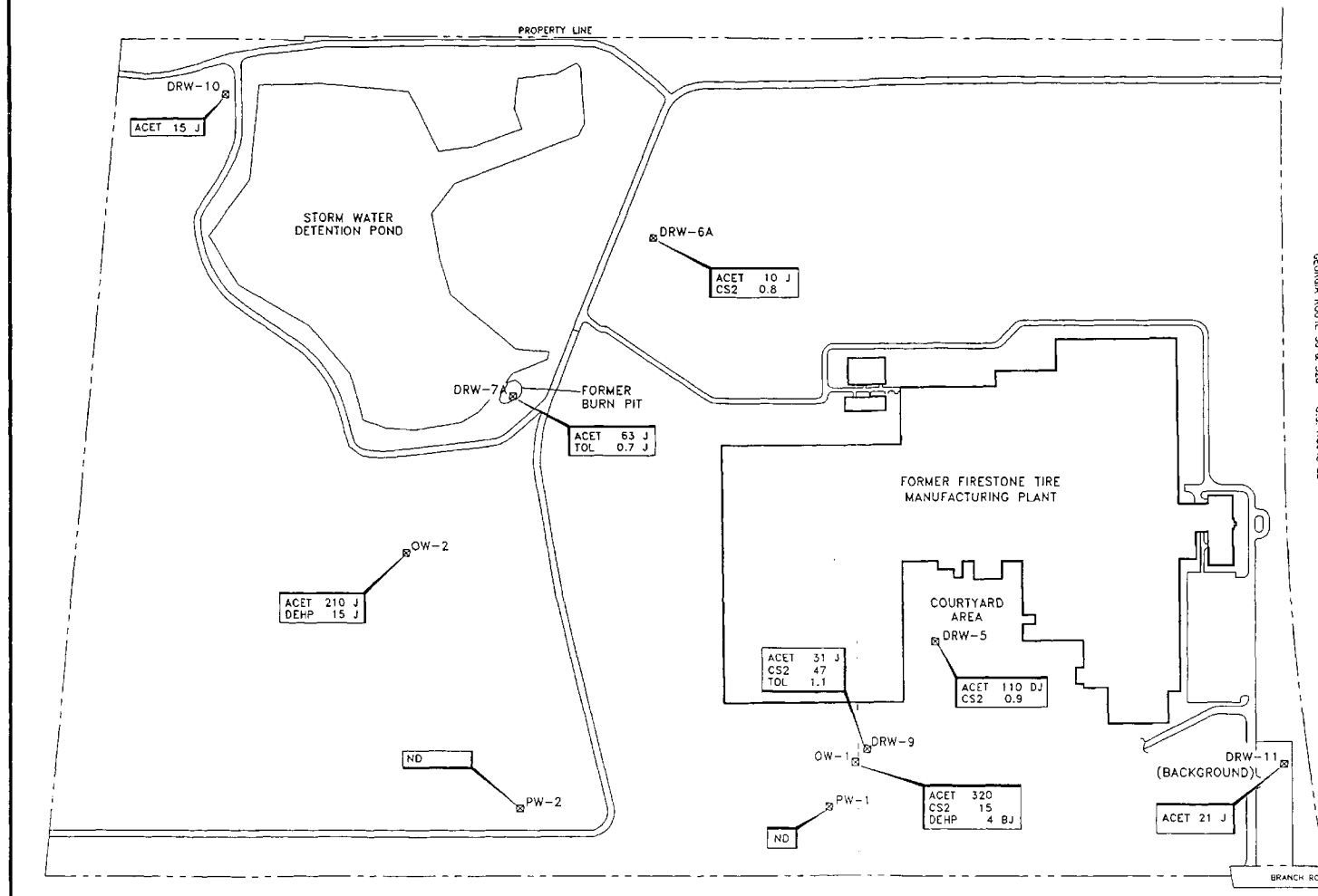
PROJECT: FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA

TITLE: ORGANIC CHEMICALS OF INTEREST UPPER OCALA LIMESTONE TRANSITION ZONE WELLS

DRAWN BY: LO	CHECKED BY: FO, TJT	PROJECT NO: 90C6116	DATE: 30 Jan 92	FIGURE NO: 4-8
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6116-2



LEGEND

Q LOWER OCALA LIMESTONE WELL

15 ANALYTICAL RESULTS REPORTED IN ug/l

ND CHEMICALS OF INTEREST WERE NOT DETECTED

CHEMICALS OF INTEREST

ACET ACETONE

CS2 CARBON DISULFIDE

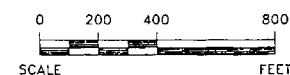
TOL TOLUENE

DEHP DI(2-ETHYLHEXYL)PHTHALATE  
(a.k.a. BIS(2-ETHYLHEXYL)PHTHALATE)

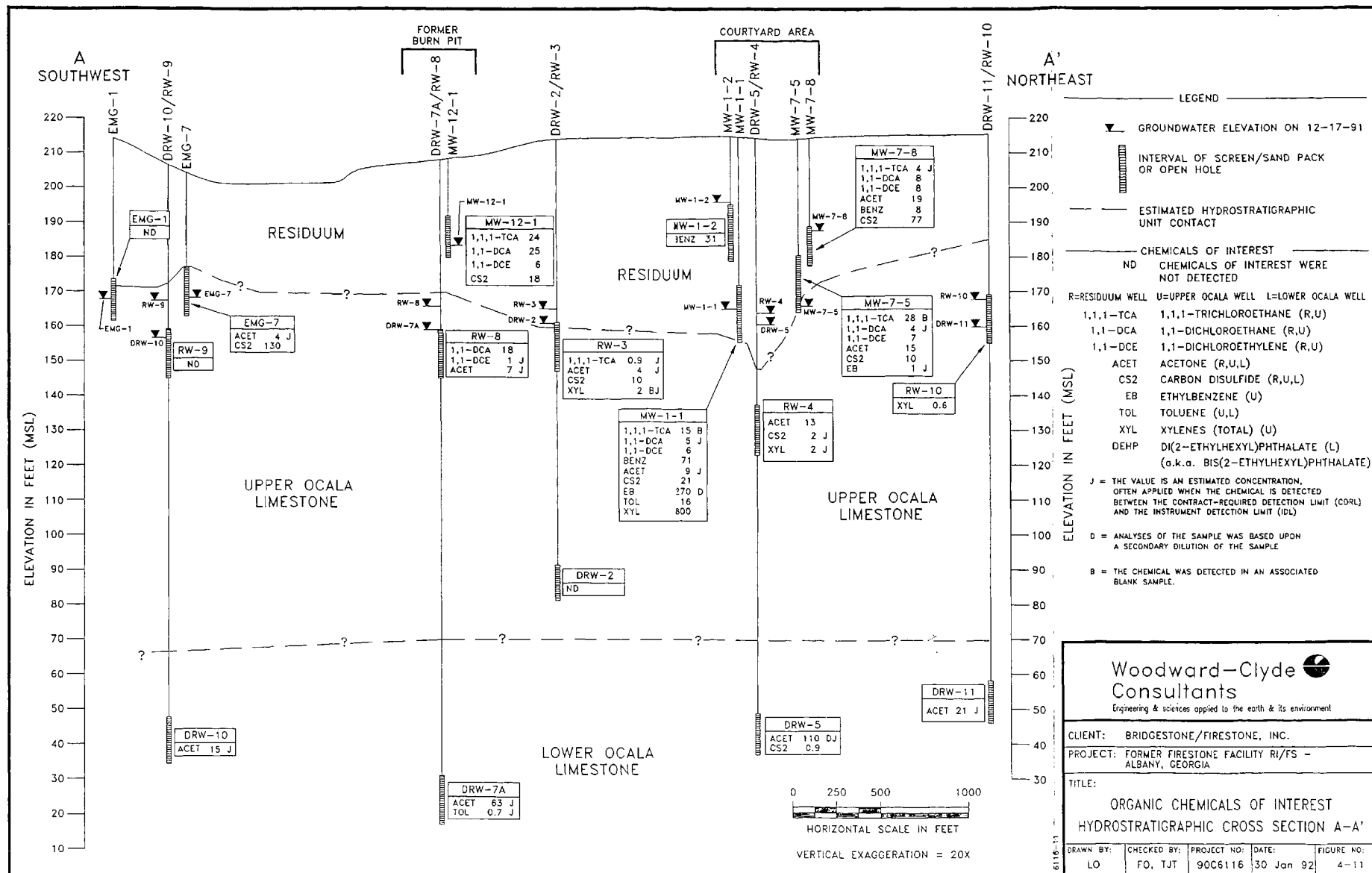
J = THE VALUE IS AN ESTIMATED CONCENTRATION, OFTEN APPLIED WHEN THE CHEMICAL IS DETECTED BETWEEN THE CONTRACT-REQUIRED LIMIT (CDRL) AND THE INSTRUMENT DETECTION LIMIT (IDL)

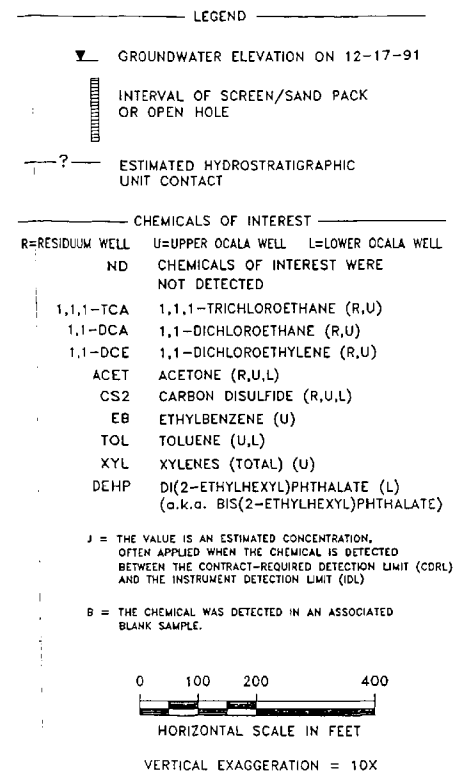
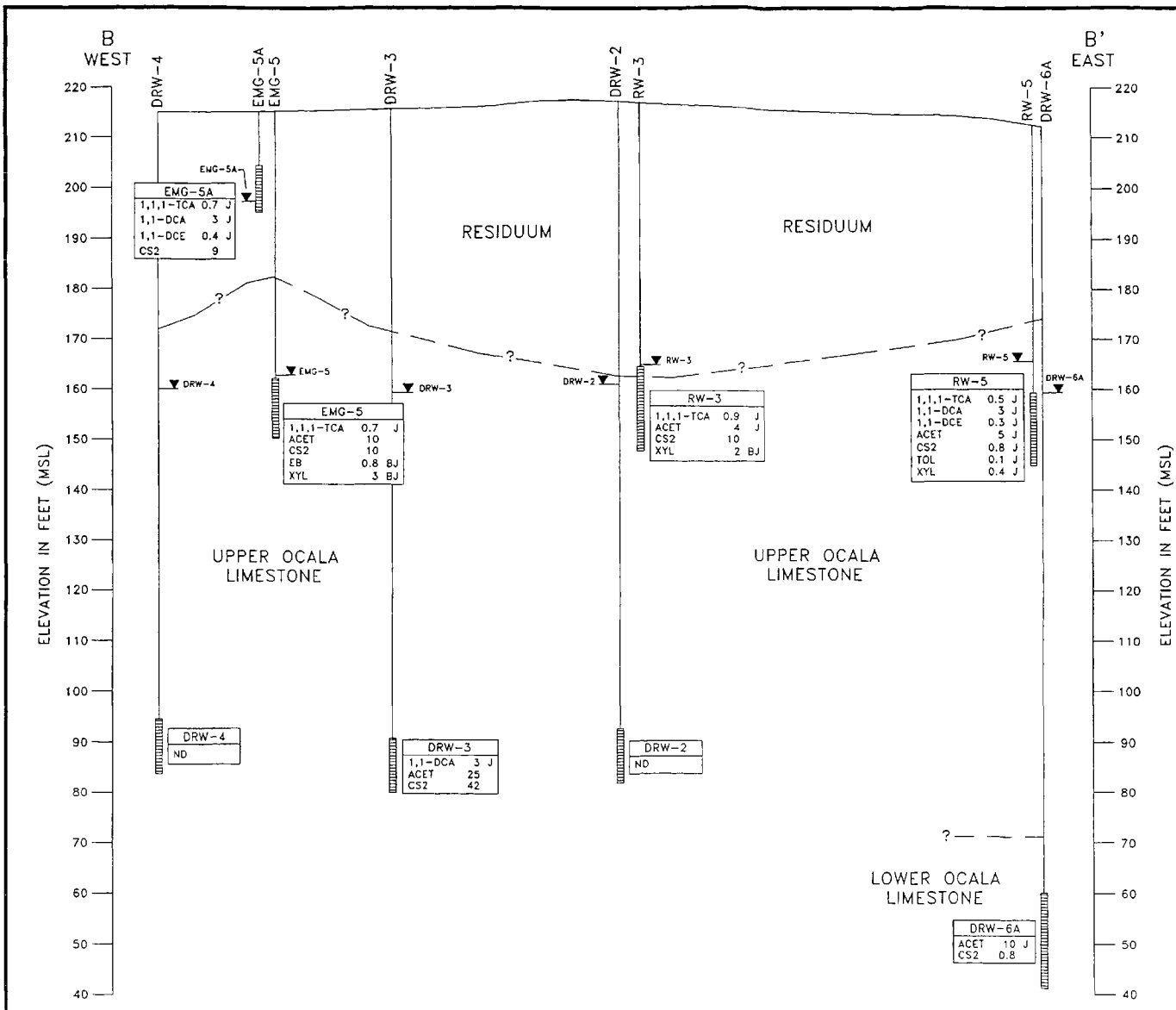
D = ANALYSES OF THE SAMPLE WAS BASED UPON A SECONDARY DILUTION OF THE SAMPLE

B = THE CHEMICAL WAS DETECTED IN AN ASSOCIATED BLANK SAMPLE.



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PROJECT: FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA			
TITLE: ORGANIC CHEMICALS OF INTEREST IN LOWER OCALA WELLS			
DRAWN BY: LO	CHECKED BY: FO, TJT	PROJECT NO: 90C6116	DATE: 30 Jan 92
		FIGURE NO: 4-10	





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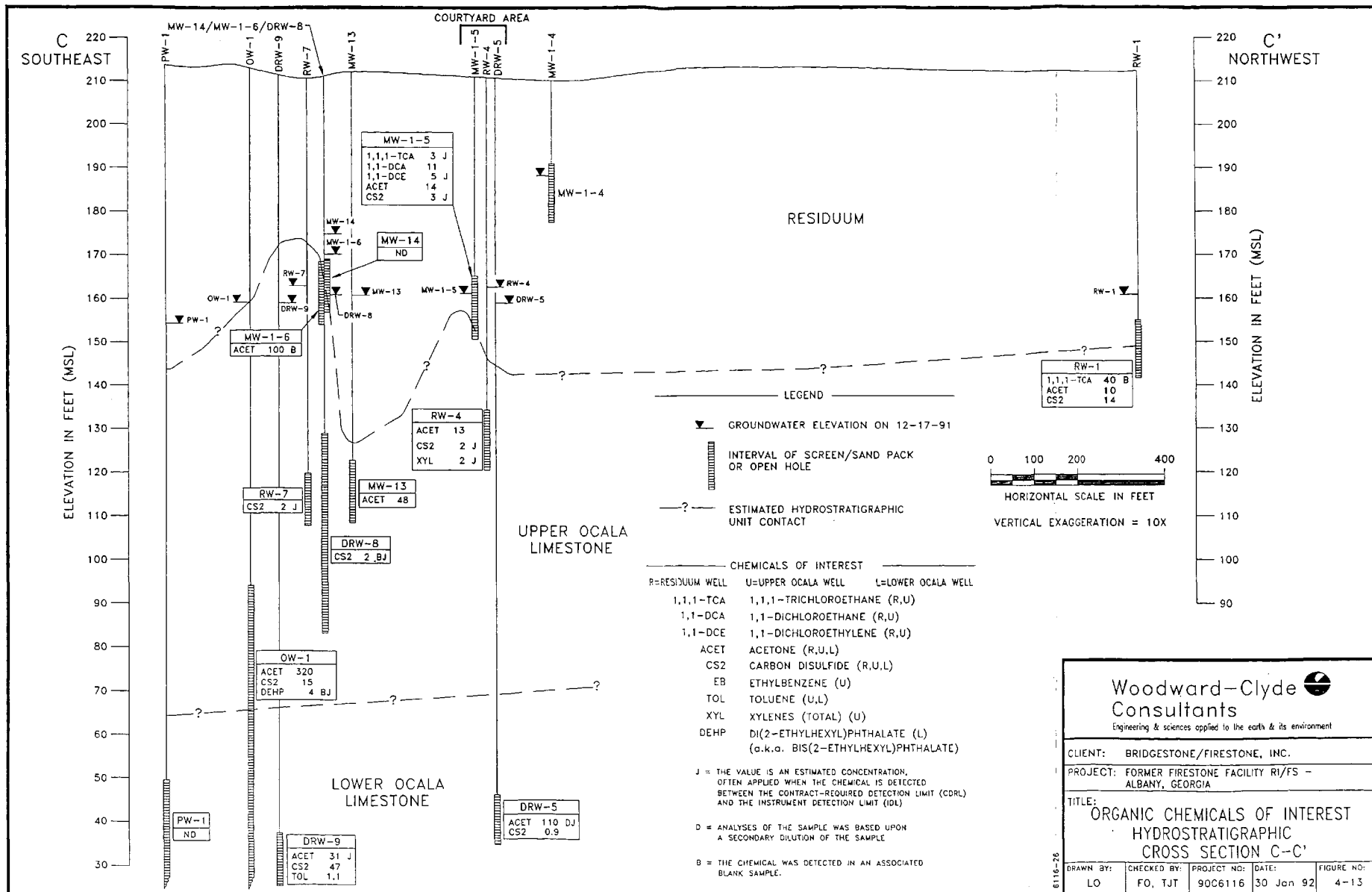
CLIENT: BRIDGESTONE/FIRESTONE, INC.

PROJECT: FORMER FIRESTONE FACILITY RI/FS - ALBANY, GEORGIA

TITLE: ORGANIC CHEMICALS OF INTEREST  
 HYDROSTRATIGRAPHIC  
 CROSS-SECTION B-B'

DRAWN BY: LO CHECKED BY: FO, TJT PROJECT NO: 90C6116 DATE: 30 Jan 92 FIGURE NO: 4-12

6116-25



frequency

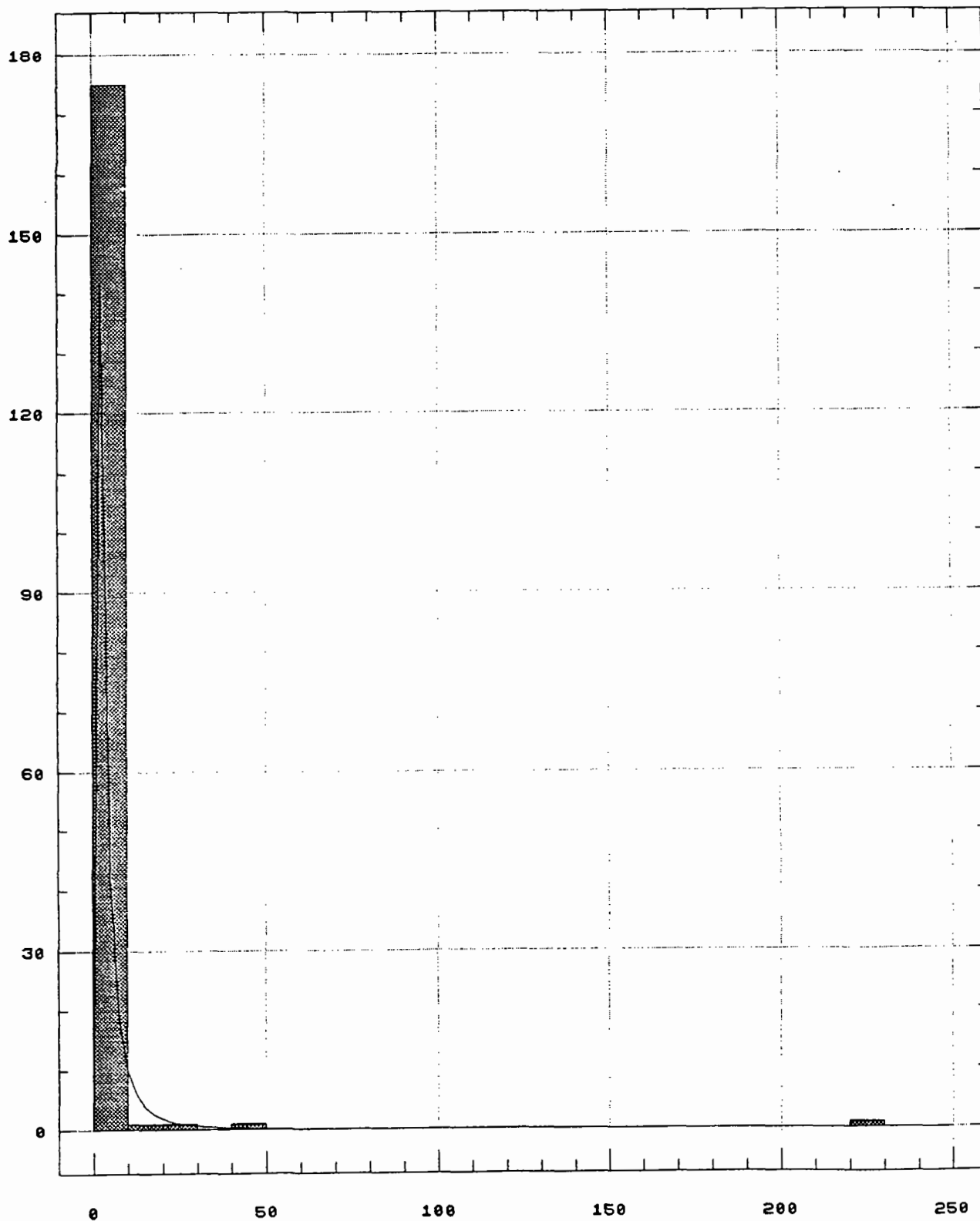


FIGURE 6-1 FREQUENCY HISTOGRAM FOR PCB CONCENTRATIONS  
IN SOIL IN THE MANUFACTURING AREA (MG/KG)

frequency

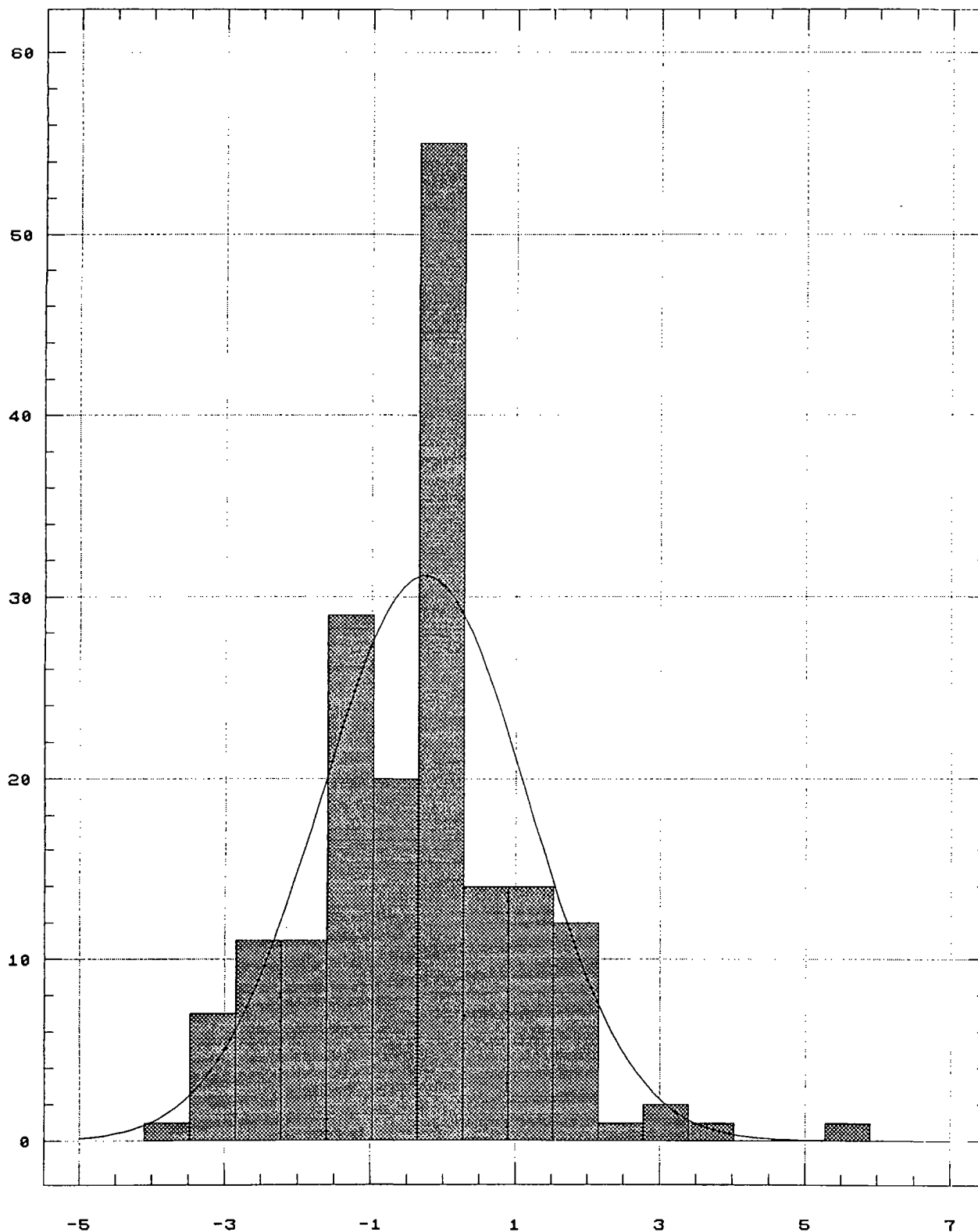


FIGURE 6-2 FREQUENCY HISTOGRAM FOR NATURAL LOG (Ln) OF  
PCB CONCENTRATIONS IN SOIL IN THE MANUFACTURING AREA (MG/KG)